

With the Medical Officer of Health's Compliments.



ANNUAL REPORT

OF THE

MEDICAL OFFICER OF HEALTH

FOR THE

CARDIFF PORT SANITARY AUTHORITY,

FOR THE YEAR 1912.

Printed by Order of the Sanitary Authority.

CARDIFF:

S. GLOSSOP AND SONS, LTD., NEW STREET.

1913.



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Health and Port Sanitary Committee.

Lord Mayor :

ALDERMAN MORGAN THOMAS, J.P.

Chairman :

ALDERMAN JAMES ROBINSON, L.R.C.S., L.R.C.P., I., J.P.

Deputy Chairman :

COUNCILLOR FREDERICK GUSTAVUS LYONS DAVIS.

ALDERMAN W. H. RENWICK, J.P.

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„ A. J. HOWELL.

Medical Officer of Health's Department.

Medical Officer of Health :

EDWARD WALFORD, M.D., D.P.H.

Assistant Medical Officer of Health :

A. F. BERNARD SHAW, B.A., M.B., D.P.H.

Chief Inspector of Nuisances, Inspector under D. of A. Acts, Canal Boats Acts, and Unsound Food Regulations :

DAVID JENKINS, CERTIFICATE AND ASSOCIATE ROYAL SANITARY INSTITUTE.

Senior Assistant Inspector :

S. J. HOLBOURN, CERTIFICATES ROYAL SANITARY INSTITUTE.

Inspector of Meat and Other Foods :

A. J. E. SCOTT, CERTIFICATES ROYAL SANITARY INSTITUTE.

D. A. JENKINS, ASSISTANT INSPECTOR OF NUISANCES.

J. DAVIES,

F. WOOD,

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CERTIFICATES ROYAL SANITARY
INSTITUTE.

F. HOWELL,

T. D. HILL,

J. J. MORGAN,

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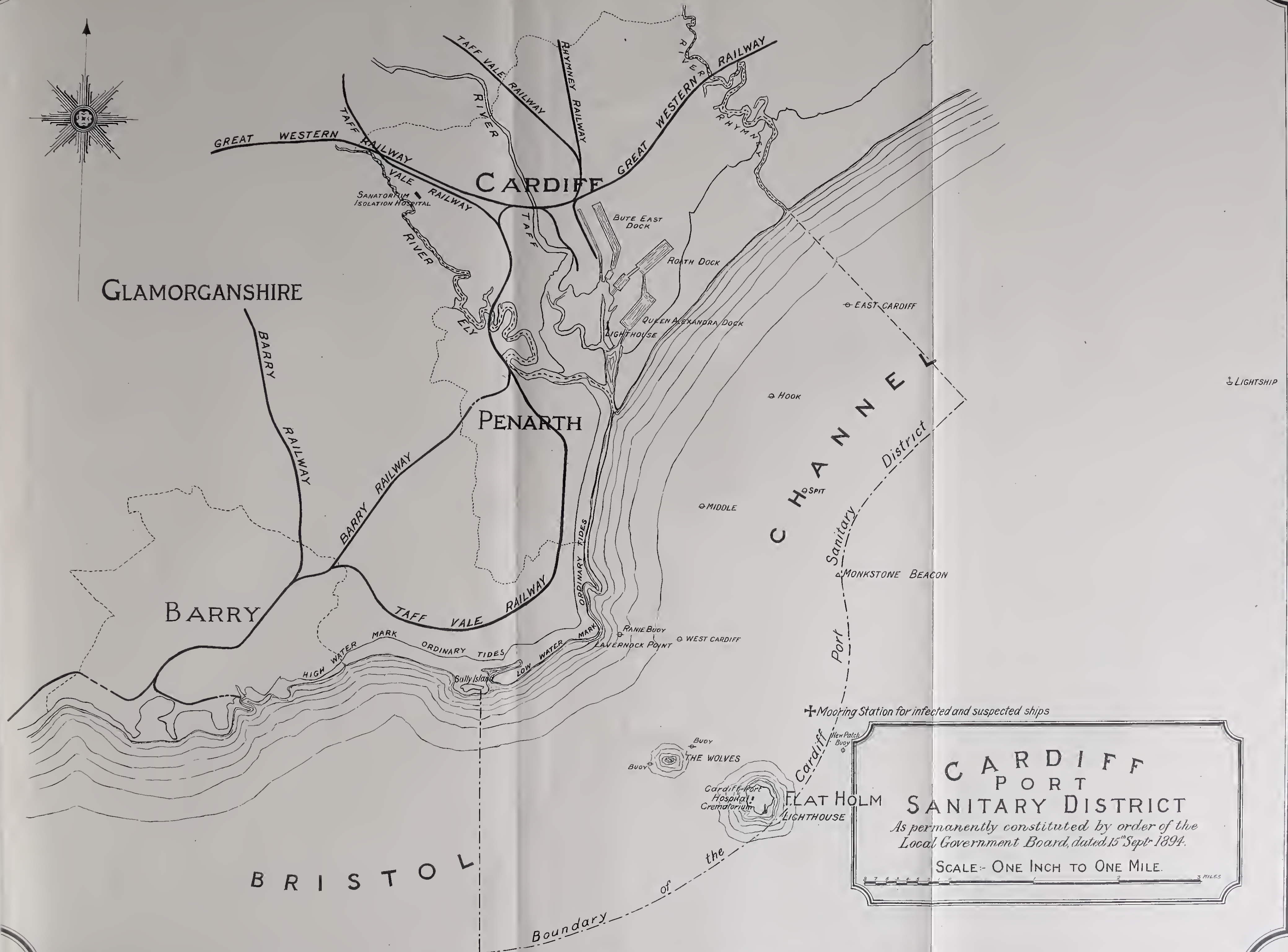
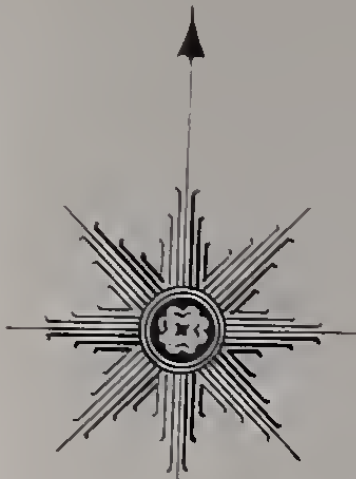
CERTIFICATE ROYAL SANITARY
INSTITUTE.

Clerk :

W. J. DAVIES.

Caretaker—Flat-Holm, Hospitals :

F. HARRIS.



CARDIFF PORT SANITARY DISTRICT
As permanently constituted by order of the Local Government Board, dated 15th Sept. 1894.
SCALE: ONE INCH TO ONE MILE.

Cardiff Port Sanitary Authority.

95, BUTE STREET,
CARDIFF,
March, 1913.

To the Chairman and Members of the Cardiff Port Sanitary Authority.

GENTLEMEN,

I have the honour to submit to you my Annual Report for the year 1912.

The Port Sanitary District of Cardiff was constituted in the year 1882, by a Provisional Order of the Local Government Board, which was subsequently confirmed by Parliament.

In this Order the boundaries of the District are defined as follows :—

“ So much of the Port of Cardiff as lies between the River Rumney and Lavernock Point ; together with the waters of the said Port within such limits, and the place for the time being appointed as the Customs Boarding Station for such part of the said Port, and every other place for the time being appointed for the mooring or anchoring of ships for such part of the said Port, under any regulations for the prevention of the spread of disease issued under the authority of the Statutes in that behalf ; and the watersides, docks, basins, and creeks of and belonging to such part of the said Port.”

By a Provisional Order, dated 27th July, 1893, the limits of Jurisdiction of the Cardiff Port Sanitary Authority were extended, and on the 15th September, 1894, an order of the Board was issued permanently constituting the Authority. This Order came into operation on the 9th November, 1894, and contains the following provisions :—

SECTION I.— CONSTITUTION OF THE PORT SANITARY AUTHORITY.

ARTICLE 1.—This Order shall come into operation on the Ninth day of November, One Thousand Eight Hundred and Ninety-four, unless it shall become Provisional, and until this Order comes into operation the said Order dated the Twenty-seventh day of July, One Thousand Eight Hundred and Ninety-three shall continue in force.

ARTICLE 2.—The Mayor, Aldermen, and Burgesses of the said Borough of Cardiff, acting by the Council, as the said Urban Sanitary Authority, shall be permanently constituted the Port Sanitary Authority for the part of the said Port of Cardiff, hereinafter described.

ARTICLE 3.—The Port Sanitary Authority may from time to time appoint Committees consisting of Members of such Authority for the exercise of any powers, which, in the opinion of such Authority, can be properly exercised by Committees, but the acts of every such Committee shall, unless otherwise directed by the Port Sanitary Authority, be submitted to such Authority for approval.

Provided that a Committee so appointed shall in no case be authorised to borrow money or to issue any precept for contributions, or to enter into any contract, and it shall be subject to the provisions of Part IV, of the First Schedule of the Local Government Act, 1894, so far as they are applicable.

SECTION II.—LIMITS OF JURISDICTION.

ARTICLE 4.—The jurisdiction of the said Port Sanitary Authority shall extend to so much of the said Port of Cardiff as is comprised within the following lines, that is to say :—

A straight line drawn south from the seaward extremity of the common boundary of the Parishes of Sully and Lavernock to the boundary of the said Port and a line following and coincident with the boundary of the said Port from its commencement at the River Rumney to the point at which the straight line firstly hereinbefore mentioned meets such boundary,

together with the water of the said Port of Cardiff within such limits, and the place or places for the time being appointed as the Customs Boarding Station or Stations for such part of the said Port, and every other place for the time being appointed for the mooring or anchoring of ships for such part of the said Port under any regulations for the prevention of the spread of diseases issued under the authority of the Statutes in that behalf, and the docks, basins, harbours, creeks, rivers, channels, roads, bays, and streams belonging to such part of the said Port.

SECTION III.—ASSIGNMENT OF POWERS, &c.

ARTICLE 5.—For the purpose of this Order the following Sections of The Public Health Act, 1875, the Public Health (Officers) Act, 1884, the Public Health (Ships, &c.) Act, 1885, the Public Health (Members and Officers) Act, 1885, and the Public Health Acts Amendment Act 1890, shall apply ; and the Port Sanitary Authority shall have, exercise, perform, and be subject to, all the powers, rights, duties, capacities, liabilities, and obligations of an Urban Sanitary Authority under the same Sections, so far as those Sections are applicable to waters within the jurisdiction of such Port Sanitary Authority, or to ships coming or being within the said jurisdiction, or to persons upon any such ship or brought by any such ship within the said jurisdiction, or to goods or things upon any such ship, or to goods or things landed from any such ship, and being within the said jurisdiction, and which in the opinion of the said Authority, or their Medical Officer of Health requires to be disinfected or destroyed, namely :

Of the Public Health Act, 1875 :—

Section 70, relating, to Polluted Water.

Sections 91 to 111, both inclusive, relating to Nuisances.

Sections 120 to 123, both inclusive, relating to Infectious diseases and Hospitals.

Sections 134 to 140, both inclusive, as to the prevention of Epidemic Diseases.

Sections 141 and 142, relating to Mortuaries.

Sections 173 and 174, relating to Contracts.

Sections 175, 176, and 177, relating to Purchase of Lands.

Sections 179, 180, and 181, relating to Arbitration.

Sections 182 to 186, both inclusive, and Section 188, relating to Bye-laws.

Section 189 (except as regards the Offices of Surveyor and Collector), Sections 191 to 196, both inclusive, and Sections 197, 198, 205, and 206, relating to Officers and Conduct of Business of Local Authorities.

Sections 236 to 239, both inclusive, relating to Mortgages.

Sections 245, 247 (as amended by the District Auditors' Act, 1879), 249 and 250, relating to Audit.

Sections 241, and 253 to 258, inclusive, and Section 269 (as amended by the Summary Jurisdiction Act, 1884), relating to Legal Proceedings.

Section 278, relating to Settlement of Disputes as to Boundaries.

Sections 299 to 302, both inclusive, relating to Defaulting Local Authorities.

Sections 305 to 310, both inclusive, relating to miscellaneous Provisions.

Sections 327, 328, and 329, being Saving Clauses.

Of the Public Health (Officers) Act, 1884 :—

Section 2.

Of the Public Health (Ships, etc.) Act, 1885 :—

Section 2.

Of the Public Health (Members and Officers) Act, 1885 :—

Section 2.

Of the Public Health Acts Amendment Act, 1890 :—

Section 3, so far as it enables an Urban Sanitary Authority to adopt Section 48.

Provided as follows :—

- (1). Nothing herein contained shall affect the powers of any Riparian Authority, except as to such waters, ships, persons and things as above mentioned.
- (2). In this Article the term “ship” includes vessel or boat.

The Regulations of the Local Government Board prescribe, with regard to the Medical Officer of Health :—

“That he shall prepare an annual report, to be made to the end of December, in each year, comprising tabular statements so far as he shall have been able to obtain the necessary information, of the sickness and mortality of persons on ship-board within the District, classified according to diseases, ages, and vessels, and a summary of the action taken during the year for preventing the spread of disease. The report shall also contain an account of the proceedings in which he has taken part or advised under the Public Health Act, 1875, so far as such proceedings relate to conditions dangerous or injurious to health, and also an account of the supervision exercised by him, or on his advice, for Sanitary purposes over places and vessels that the Port Sanitary Authority has power to regulate, with the nature and results of any proceedings which may have been so required and taken in respect of the same during the year.”

This report is therefore made in accordance with the above quoted regulations.

According to the Census enumeration made in April, 1911, the number of persons found on board foreign and coasting vessels, barges and boats in the docks, under the supervision of the Cardiff Port Sanitary Authority, was 1,945, and the number of vessels 174, giving an average of 8·9 persons per vessel. In most cases large numbers of sailors are paid off shortly after the vessel enters the dock, so that at the time of the census few complete crews would be on board.

The number of persons given in the returns does not, therefore, in any way represent the number actually belonging to the vessels.

The following table gives the area of the Docks within the District of the [Cardiff Port Sanitary Authority :—

TABLE I.

	West Bute Dock	East Bute Dock.	Roath Dock.	Queen Alexandra Dock.	Penarth Dock.	Penarth Tidal Harbour.	
Width of sea gate	45ft.	57ft.	80ft.	90ft.	60½ft.		Width of sea gate
Basin ...	300ft by 200ft.	380ft by 250ft.	1,000 ft. by 500ft.		400ft. by 330ft.		Basin
Lock ...	152 ft. by 36ft.	220 ft. by 57ft. Sea Lock 200ft. by 50ft. Inner Lock	350 ft. by 80ft. Sea Lock 600ft. by 80ft Inner Lock	850ft. by 90ft.	270ft. by 60½ft.		Lock
Dock ...	4,000ft. by 2,000ft.	3,350ft. by 500ft 1,000ft. by 300ft. Total length 4,350ft.	2,400ft. by 600ft.	2,550ft. long 800 & 1,000 ft. wide	2,100ft. by 370ft.	First reach 4,600ft. by 600ft. Total length 13,000ft.	Dock
Depth of Water in Dock	19ft. and 13ft. 6in.	25ft.	30ft. and 36ft.	33ft. and 39ft. 6in.	25ft. and 35ft.	First reach 30ft.	Depth of Water in Dock
Depth of Water on Sill (Spring tide)	28ft. 6in.	31ft. 6in.	36ft.	42ft.	35ft.		Depth of Water on Sill (Spring tide)
Do. do. (Neap tide)	18ft. 6in.	21ft. 6in.	26ft.	32ft.	25ft.		Do. do. (Neap tide)
No. of coal staiths for shipment of coal	12	19	12 fitted and movable tips, and 11 movable coaling cranes	6 movable tips, and 4 movable coaling cranes	21	5	No. of coal staiths for shipment of coal.
Water area.	19½ acres of Dock.	Basin, 2¼ acres, Dock, 44 acres.	Basin, 12 acres. Dock, 33 acres.	52 acres.	Basin, 3 acres. Dock, 25 acres.		Water area.



BUTE ENTRANCE CHANNEL AND QUEEN ALEXANDRA DOCK.
Entrance facing Open Channel.



The following Table gives particulars of vessels and tonnage, foreign and coastwise, entering the Cardiff Port Sanitary District, kindly supplied to me by H.M. Collector of Customs.

TABLE II.

YEARS.	NUMBER OF VESSELS.		Total No. of Vessels Foreign and Coastwise.	TONNAGE.		Total Tonnage Foreign and Coastwise inwards.
	Foreign.	Coastwise.		Foreign.	Coastwise.	
1882	6,032	7,026	13,058	2,151,761	940,836	4,435,293
1883	6,195	7,260	13,445	4,322,849	797,722	5,116,571
1884	6,184	6,823	13,007	4,513,117	785,462	5,298,597
1885	5,990	6,719	12,709	4,563,662	849,512	5,413,174
1886	5,390	6,742	12,132	4,174,950	931,503	5,106,453
1887	5,925	6,531	12,456	4,714,247	918,898	5,634,145
1888	6,179	7,095	13,274	5,148,068	935,694	6,083,762
1889	6,339	7,411	13,750	5,476,773	918,666	6,458,439
1890	4,099	9,672	13,771	3,196,973	3,952,759	7,149,632
1891	4,308	10,415	14,723	3,445,139	4,116,831	7,561,970
1892	3,447	8,770	12,217	2,548,522	2,532,527	5,081,149
1893	3,140	8,861	12,001	2,470,396	2,608,690	5,779,086
1894	3,224	10,543	13,767	2,668,418	3,122,661	5,791,079
1895	3,166	10,150	13,316	2,686,874	2,944,071	5,630,945
1896	3,104	9,652	12,755	3,019,591	3,034,855	6,054,445
1897	3,174	9,933	13,107	3,044,002	2,878,726	5,022,728
1898	2,415	7,771	10,186	1,979,709	2,343,806	4,923,515
1899	3,191	9,373	12,564	3,255,870	3,071,232	6,327,102
1900	3,212	8,858	12,070	3,127,985	2,850,479	5,978,464
1901	2,829	8,755	11,584	2,917,948	2,750,335	5,668,283
1902	2,763	9,337	12,100	2,729,563	2,953,915	5,683,478
1903	2,544	9,130	11,674	2,821,927	2,976,901	5,798,828
1904	2,370	8,635	11,005	2,563,188	3,178,989	5,742,177
1905	2,437	9,959	12,396	2,662,128	3,252,663	5,914,791
1906	2,790	9,306	12,096	3,386,347	3,236,673	6,623,020
1907	3,018	8,798	11,816	3,799,249	3,163,622	6,962,871
1908	2,890	8,163	11,053	3,675,274	2,821,260	6,496,434
1909	2,846	8,400	11,246	3,788,643	3,017,152	6,805,795
1910	2,925	9,340	12,265	3,719,987	3,371,362	7,091,349
1911	2,864	8,991	11,855	3,840,594	3,088,173	6,928,767
1912	3,013	8,009	11,022	3,954,927	3,444,446	7,399,373

INFECTIOUS DISEASES :—The powers which the Port Sanitary Authority possesses for dealing with the ordinary Infectious Diseases, which are always more or less present in this country, are derived from the Public Health Acts and the Regulations made by the Authority under the provisions of these Acts. The Regulations made by the Cardiff Port Sanitary Authority under Section 125 of the Public Health Act, 1875, are as follows :—

1.—In these Regulations, the expression “The Port Sanitary Authority” means the Mayor, Aldermen and Burgesses of the Borough of Cardiff, acting by the Council, as the Port Sanitary Authority; the expression “The District” means so much of the Customs’ Port of Cardiff as, under an Order of the Local Government Board, dated the 15th day of September, 1894, is comprised within the jurisdiction of the Port Sanitary Authority; the expression “Ship” includes a Boat; the expression “Medical Officer of Health” includes any legally qualified Medical Practitioner lawfully authorised to act on behalf of such Officer; the expression “Dangerous Infectious Disorder” means any one of the following diseases :—

SMALL-POX	RELAPSING FEVER	TYPHOID FEVER
MEMBRANOUS CROUP	DIPHTHERIA	CONTINUED FEVER
TYPHUS FEVER	SCARLATINA OR SCARLET FEVER	

2.—These Regulations shall remain in force until they are revoked by the Port Sanitary Authority, or until fresh Regulations under Section 125 of the Public Health Act, 1875, are made by the Port Sanitary Authority and approved of by the Local Government Board.

3.—Every Master or other person having charge of a ship arriving in the District with any person on Board, whether a passenger or belonging to the ship's crew, suffering from a dangerous infectious disorder, shall stop on arrival in any dock-basin, river, harbour, or canal within the District, and forthwith send notice to the Medical Officer of Health of the Port Sanitary Authority, stationed at his office at Cardiff, that there is a person on board suffering from such a disorder.

4.—The Master or other person in charge of the ship shall cause her to remain in any dock-basin, river, harbour, or canal within the District in which she shall have stopped on arrival, until the Medical Officer of Health has boarded her.

5.—The Medical Officer of Health, to whom notice is given either by the Master or person in charge of the ship, or by an Officer of the Port Sanitary Authority boarding the ship on its arrival, that there is a person on board suffering from a dangerous infectious disorder, shall, as soon as practicable, visit the ship, and ascertain whether the person referred to in the notice is suffering from such a disorder, and if in the opinion of the Medical Officer of Health he is, and can properly be removed, and proper accommodation can be provided for him in the Hospital of the Port Sanitary Authority of Cardiff, or in some other Hospital to which the Port Sanitary Authority are entitled to remove patients, the Master or other person having charge of the ship shall forthwith cause such person to be removed to such Hospital, according to the directions of the Medical Officer of Health.

6.—If any dangerous infectious disorder shall break out on board any ship, arriving in the District, and after she has passed into any dock-basin, river, harbour, or canal, the Master or other person having charge of such ship shall give notice to the Medical Officer of Health of the Port Sanitary Authority at his Office at Cardiff, that there is on board a person suffering from such disorder, and if, upon examination, the Medical Officer of Health shall find that he is so suffering, the Master or other person in charge of such ship shall forthwith cause such person to be removed to a Hospital to which the Port Sanitary Authority are entitled to remove patients, as directed by the Medical Officer of Health.

7.—Every person who shall offend against any of the foregoing Regulations shall be liable for every such offence to a penalty of Forty Shillings.

In addition to the above, the Port Sanitary Authority has adopted the Infectious Disease Notification Act, 1889, which requires the notification to the Medical Officer of Health by Medical Practitioners of all cases of the ordinary Infectious Diseases coming under their care. In September, 1900, the Local Government Board, by order, extended the provisions of this Act to the notification of every case of Plague occurring in the district. Circular letters were sent by me to Medical Practitioners informing them of their duties in this respect. A system of voluntary notification of cases of phthisis is in force in this District, for which fees are paid similar to those paid under the Notification Act.

The hospital referred to in the above Regulations is that belonging to the Cardiff Urban Sanitary Authority, in which accommodation is provided for persons suffering from diseases specified, on board ships within the District of the Port Sanitary Authority of Cardiff.

The enclosed form, used by the Officers of the Sanitary Authority, who board every vessel, foreign or coastwise, immediately they enter the outer basin of the dock, is filled up in writing by the Master or person in charge of the ship, and is found to be a much more satisfactory way of obtaining information of sickness on board than the mere verbal statement which was previously required.

MEDICAL CERTIFICATE TO CARDIFF PORT SANITARY AUTHORITY.

To the Master of S.S.....
 From what Port have you come?.....
 Number of Crew?.....
 Total Number of Passengers?.....

Has there been any Sickness of an Infectious nature during the Voyage, or at the time of arrival, among either Crew or Passengers?.....

If there has been Sickness of any sort, kindly state nature and result.....

Signed..... Surgeon

Time of arrival..... Time of Visit.....
 Date.....191



ENTRANCE TO QUEEN ALEXANDRA DOCK.



GENERAL VIEW OF QUEEN ALEXANDRA DOCK.

From the above it will be seen that information of the existence of Infectious Diseases reaches the Medical Officer of Health from (1) the Master of the ship ; (2) the Customs Officer on the arrival of the vessel at the Customs Boarding Station ; (3) Medical Practitioners when called in to attend such cases ; (4) Officer of Sanitary Authority during ordinary inspection of shipping in docks, and during tidal inspection at entrance to dock basins.

The following is a copy of notice given to the Masters and Pilots of all vessels arriving in the Port of Cardiff :—

CARDIFF PORT SANITARY AUTHORITY.

NOTICE TO MASTERS AND PILOTS.

Owing to occasional misunderstandings on the part of Masters and persons in charge of vessels, the Medical Officer of Health desires to call the attention of Pilots in charge of vessels entering the Cardiff or Penarth Docks to the following provisions of the Regulations of the Cardiff Port Sanitary Authority relating to vessels having on board any person suffering from any of the following diseases :—

Small-Pox.
Typhus Fever.
Typhoid Fever.
Scarlet Fever.
Diphtheria.

All such vessels (whether Foreign or Coastwise) are required to enter the Dock Basin without delay, and the Master or person in charge of the vessel must at once give notice of any such case of illness on board to the Inspector of the Port Sanitary Authority at the Customs Boarding Station, who will communicate with the Medical Officer of Health.

The Master or person in charge of the vessel must cause her to remain off the Customs Boarding Station, and apart from any communication with the shore until she has been dealt with by the Medical Officer of Health.

Only vessels infected with Cholera, Yellow Fever, and Plague are dealt with at the Mooring Station in the Penarth Roads.

EDWARD WALFORD,
*Medical Officer of Health, Cardiff Port Sanitary
Authority.*

During the year the following cases were notified and dealt with by the Officers of the Port Sanitary Authority :—

TABLE III.

1912 Date.	Disease	Name of Ship.	Nationality.	Remarks.
Jan. 23	Phthisis	... s.s. "Hosanger" ...	Norwegian	Admitted into Royal Hamadryad Seamen's Hospital, 13th January, 1912, from Penarth Dock.
" 23	"	... s.s. "Hollinside" ...	British ...	Admitted into Royal Hamadryad Seamen's Hospital, 15th January, from Barry.
Feb. 1	"	... s.s. "Nentmoor" ...	British ...	Admitted into Royal Hamadryad Hospital, Feb. 1st, from a Seamen's Boarding House, having left the s.s. "Nentmoor" at Newport, Mon.
" 3	Erysipelas	... s.s. "Asama" ...	British ...	Medically treated on board at Penarth Dock.
" 27	Typhoid Fever	s.s. "Greenwich" ...	British ...	Admitted into Royal Hamadryad Seamen's Hospital, 22nd February, having left the s.s. "Greenwich" at Newport, Mon., Feb. 14th.
" 27	Phthisis	... s.s. "Helena" ...	German ...	Admitted into Royal Hamadryad Seamen's Hospital on February 14th, from Barry Dock.
" 27	"	... s.s. "Henry Horn" ...	German ...	Patient went home to Germany, his berth was disinfected by Port Sanitary Authority.
Mar. 16	"	... s.s. "Hurst" ...	British ...	Admitted into Royal Hamadryad Seamen's Hospital on February 16th, from s.s. "Hurst" at Barry Dock.
April 24	Erysipelas	... s.s. "Princess Dagmar" ...	British ...	Medically treated on board.
" 30	Measles	... s.s. "Collingwood" ...	British ...	Admitted into Royal Hamadryad Seamen's Hospital, 25th April, was removed to City Sanatorium on the 30th April.

TABLE III.—continued.

1912. Date		Disease.	Name of Ship.		Nationality	Remarks
May	15	Phthisis	...	s.s. " Holgate "	... British ...	Admitted into Royal Hamadryad Seamen's Hospital, 7th May from Windsor Slipways.
"	15	"	...	s.s. " Glencluny "	... British ...	Admitted into Royal Hamadryad Seamen's Hospital, 10th May, from Barry Dock.
"	16	Diphtheria	...	s.f. " Penrice Castle "	... British ...	Admitted into Royal Hamadryad Seamen's Hospital, 16th May, from Swansea.
"	17	Phthisis	...	s.s. " Ockley "...	... British ...	Admitted into Royal Hamadryad Seamen's Hospital, 16th May, from Barry Dock.
"	17	"	...	... ..	... ..	Admitted into Royal Hamadryad Seamen's Hospital, 17th May, from a Seamen's Boarding House.
"	31	Measles	...	s.s. " Helen " ...	... British ...	Removed to City Sanatorium 31st May, from West Bute Dock.
June	6	Phthisis	...	... ..	... ..	Admitted into Royal Hamadryad Seamen's Hospital, 5th June, from a Seamen's Boarding House.
"	6	"	...	s.s. " Kumeric "	... British ...	Admitted into Royal Hamadryad Seamen's Hospital, 3rd June, from Queen Alexandra Dock.
"	14	Typhoid Fever	...	s.s. " Rollesby "	... British ...	Admitted into the City Sanatorium, from the Sailors' Home.
"	17	Phthisis	...	s.s. " Tyr " ...	... Norwegian	Admitted into Royal Hamadryad Seamen's Hospital, June 19th, from East Bute Dock.
July	4	"	...	s.s. " Anadyr "	... Russian ...	Admitted into Royal Hamadryad Seamen's Hospital, July 4th, from Barry Dock.

TABLE III.—continued.

1912 Date		Disease.	Name of Ship.	Nationality		Remarks
July	8	Typhoid Fever	s.s. " Rollesby "	...	British	Admitted into Royal Hamadryad Seamen's Hospital, 27th June, from Sailors' Home.
"	16	"	s.s. " Rockabill "	...	British	Admitted into Royal Hamadryad Seamen's Hospital, July 16th, from Penarth Dock.
"	26	Phthisis	s.s. " Largo Law "	...	British	Admitted into Royal Hamadryad Seamen's Hospital, July 24th, from the Roath Dock.
Aug.	2	"	s.s. " Marguerite "	...	French	Admitted into Royal Hamadryad Seamen's Hospital, July 30th, from Barry Dock.
"	12	"	" Endymion " ...	...	Norwegian	Admitted into Royal Hamadryad Seamen's Hospital, August 10th, from East Bute Dock.
"	19	Typhoid Fever	s.s. " Puritan "	...	British	Admitted into Royal Hamadryad Seamen's Hospital, August 15th, from Barry Dock.
Sept.	3	Phthisis	s.s. " City of Calcutta "	...	British	Admitted into Royal Hamadryad Seamen's Hospital, August 31st, from Roath Dock.
"	9	"	s.s. " Hero " ...	...	Norwegian	Admitted into Royal Hamadryad Seamen's Hospital, September 7th, from Penarth Dock.
"	9	"	... ..	...	...	Admitted into Royal Hamadryad Seamen's Hospital, July 5th.
"	14	Erysipelas	s.s. " Felbridge "	...	British	Admitted into Royal Hamadryad Seamen's Hospital, September 12th, from a Seamen's Boarding House.
"	27	Phthisis	s.s. " Fairport "	...	British	Admitted into Royal Hamadryad Seamen's Hospital, September 24th, from Barry Dock.

TABLE III.—continued.

1912 Date	Disease.	Name of Ship.	Nationality	Remarks.
Sept. 27	Phthisis ...	s.s. "Bolton Hall" ...	British ...	Admitted into Royal Hamadryad Seamen's Hospital, September 26th, from Sharpness.
Oct. 28	,, ...	s.s. "Emma" ...	British ...	Admitted into Royal Hamadryad Seamen's Hospital, October 28th, from his home in Cardiff, having left his ship at St. Vincent, Aug. 7th.
,, 28	,, ...	s.s. "Arndale" ...	British ...	Admitted into Royal Hamadryad Seamen's Hospital, October 25th, from a Seamen's Boarding House, having left the s.s. "Arndale" at Santos.
,, 28	,, ...	s.s. "La Fontaine" ...	French ...	Admitted into Royal Hamadryad Seamen's Hospital, October 28th, from Barry Dock.
,, 28	Typhoid Fever	s.s. "Charterhouse" ...	British ...	Admitted into Royal Hamadryad Seamen's Hospital, October 20th, from Penarth Dock.
Nov. 2	Erysipelas ...	... ..	...	Admitted into Royal Hamadryad Seamen's Hospital, October 31st.
,, 11	Phthisis ...	s.s. "Chiverstone" ...	British ...	Admitted into Royal Hamadryad Seamen's Hospital, November 6th, from Barry Dock.
,, 11	,, ...	s.s. "Argo" ...	British ...	Admitted into Royal Hamadryad Seamen's Hospital, November 8th, from Swansea.
Dec. 9	Small Pox ...	s.s. "Ladykirk" ...	British ...	Admitted into the Small Pox Hospital, December 9th, from Roath Dock.
,, 22	Typhoid Fever	"Notre Dame de Bon Secours"	French ...	Admitted into Royal Hamadryad Seamen's Hospital, December 16th from West Bute Dock.

PHTHISIS.—During the year ended 31st December, 1912, twenty-seven cases of Phthisis were notified by the Medical Superintendent of the Royal Hamadryad Seamen's Hospital, and Medical Practitioners in the city. These cases were admitted from Cardiff, Penarth, Barry and other ports in the Bristol Channel.

ERYSIPELAS.—On the 3rd February, J.W., age 56 years, Master of the British s.s. "Asama," lying in Penarth Dock, was notified to be suffering from Erysipelas. Patient was medically treated on board.

On the 24th April, M.D., age 30 years, a lady passenger on board the British s.s. "Princess Dagmar," lying in the East Bute Dock Basin, was notified to be suffering from Erysipelas. Patient was medically treated on board. The Medical Officer of Health, Swansea, was notified. The vessel leaving the same day for that port.

On the 14th September, the Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Erysipelas. H.M., a seaman, late of the s.s. "Felbridge," was admitted into hospital on the 14th August.

On the 2nd November, the Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Erysipelas. J.W., a seaman was admitted into hospital from a house in the city. Bed and bedding, etc., were subsequently removed for disinfection.

TYPHOID FEVER.—On the 27th February, the Medical Superintendent of the Royal Hamadryad Seamen's Hospital, notified a case of Typhoid Fever. C.D., age 26 years, a fireman, was admitted into hospital on the 22nd February, from a Seamen's Boarding House in the city. Patient was discharged from the British s.s. "Greenwich" at Newport, Mon., on the 14th February. He died on the 1st March. The bedding, etc. at the Hospital was subsequently disinfected.

On the 13th June, the British s.s. "Rollesby" arrived in the Mount Stuart Dry Dock, from the River Plate *via* Liverpool. The Master reported having sent two of the crew to hospital at the latter port, sickness not defined. On the following day, F.P., age 24 years, a seaman, who was staying at the Sailor's Home, was taken ill, and upon examination it was found that he was suffering from Typhoid Fever. Patient was forthwith removed to the City Sanatorium. His cabin at the Home was disinfected, and his effects together with some bedding, etc., were removed for disinfection. The crew spaces on board the ship were also disinfected, the water tanks having previously been emptied and cleansed at Liverpool.

On the 27th June, G.S., age 21 years, a seaman, late member of the above named ship, and staying at the Sailor's Home, was admitted into the Royal Hamadryad Seamen's Hospital, and on the 8th July, the Medical Superintendent notified the case as Typhoid Fever. Patient died at that Institution on the 16th July. Disinfection was carried out at the Home, and Hospital, and a quantity of bedding, etc. was removed for disinfection.

On the 10th July, the British s.s. "Rockabill" arrived in Penarth Dock, from Batoum, *via* Boulogne. The Master reported that W.G., age 29 years, a fireman, was ill on board. He was forthwith removed to the Royal Hamadryad Seamen's Hospital, and on the 16th July the Medical Superintendent notified the case as Typhoid Fever. Patient's effects, together with a quantity of bedding, etc., from the Hospital were subsequently removed for disinfection. The vessel sailed previous to receiving notification.

On the 19th August, the Medical Superintendent of the Royal Hamadryad Seamen's Hospital notified a case of Typhoid Fever. S.O.C., age 40 years, steward, late of the British s.s. "Puritan," at Barry Dock, was admitted into the Hospital on the 15th August, from a house in Loudoun Square. Disinfection of the house and effects was carried out by the Authorities of the City. The Medical Officer of Health, Barry, was notified. The Ward at the Hospital was subsequently disinfected, and a quantity of bedding, etc. was removed for disinfection.

On the 20th October, L.F., age 48 years, a seaman on board the British s.s. "Charterhouse," lying in Penarth Dock, was removed to the Royal Hamadryad Seamen's Hospital, just as the vessel was about to proceed to sea, and on the 28th October, the Medical Superintendent notified the case as

Typhoid Fever. The Ward at the Hospital was subsequently disinfected, and a quantity of bedding, together with the patient's effects, were removed for disinfection.

On the 16th December, E.D., age 17 years, ordinary seaman on board the French vessel "Notre Dame de Bon Secours," lying in the West Bute Dock, was removed to the Royal Hamadryad Seamen's Hospital, and on the 21st December, the Medical Superintendent notified the case as Typhoid Fever. The crew space on board the ship was disinfected, and the patient's effects were removed for disinfection. The water casks were also emptied and cleansed.

MEASLES.—On the 25th April, D.J.M., age 25 years, a seaman on board the British s.s. "Collingwood," lying in the East Bute Dock, was admitted into the Royal Hamadryad Seamen's Hospital, suffering from Influenza, and on the 30th April, the Medical Superintendent reported that the patient had developed Measles, he was forthwith removed to the Isolation Hospital of the City Sanatorium. His effects, together with a quantity of bedding, etc., from the Hospital were removed for disinfection. The crew spaces on board the ship were also disinfected.

On the 30th May, C.N., age 22 years, a seaman on board the British s.s. "Helen," lying in the West Bute Dock, was taken ill, and the following morning, the patient was found to be suffering from Measles. He was forthwith removed to the Isolation Hospital of the City Sanatorium. His effects were removed for disinfection, and the crew spaces on board the ship were disinfected.

This vessel arrived in Cardiff on the 29th May, from Devonport *via* Porthoustock. The patient evidently contracted the disease at the latter port.

SMALL POX.—On the 9th December, the British s.s. "Ladykirk," on passing Barry Island for Cardiff, signalled for medical assistance. Dr. Walker was instructed by the owners to meet the steamer in Penarth Roads, being under the impression that an accident had occurred on board. On boarding the vessel, he was informed that John Richards, age 47 years, third engineer, was unwell. Upon examination he found the man suffering from Small-Pox, and promptly notified the case to me. By this means I was enabled to arrange for the removal of the case to the City Small-Pox Hospital immediately upon the arrival of the vessel at the Dock Entrance. My Assistant, Dr. A. F. Bernard Shaw, visited the ship and examined every person on board, nineteen in all; these were found to be in good health. With the exception of one of the crew, who had previously suffered from Small Pox. All these persons were re-vaccinated on the following day.

The infected articles and portion of the vessel occupied by the patient were disinfected, and the crew kept under daily medical observation. The case of Small Pox proved to be of a severe confluent type, the patient never having been vaccinated, the illness apparently dating from about the 3rd or 4th December. The disease was evidently contracted in Seville, Spain, at which port the vessel stayed from the 15th to the 22nd November. She left Seville on that date, arriving at Ayr, N.B., on December 1st, leaving for Cardiff on the 7th, and arriving at this port on the 9th. With the exception of this case of Small Pox, there was no history of any other illness on board during the voyage. I communicated with the Medical Officer of Health for Ayr, and on the 12th December, wrote to the Medical Officer of Health for the Port of Gibraltar that the vessel had left for that port. No further infection of Small Pox has occurred in connection with this case since the departure of the vessel for Gibraltar on the 12th.

On the 10th December, 1912, I received a communication from the Medical Officer of Health, Glasgow, to the effect that a case of Small-Pox was removed to the Ayr Hospital on the 6th December. The patient was a fireman on board the British s.s. "Cordova," from Seville, and was taken ill on the 1st December. In all probability, both these cases owe their origin to the same source. The s.s. "Cordova" arrived in Cardiff on the 13th December, when the crew were examined by Dr. Shaw and found to be well. They were all re-vaccinated in Glasgow, and kept under daily medical observation during the stay of the vessel in the Port of Cardiff.

The following Table gives the number of vessels boarded during the year ended December 31st, 1912, by the Medical Officer of Health and his assistants on account of disease on board during the voyage, on arrival, or during the vessel's stay in the district of the Cardiff Port Sanitary Authority.

TABLE IV.

DATE 1912	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Jan. 3	5.45 a.m. ...	s.s. "Therese Horn"	German	W.C. Africa <i>via</i> Hamburg & Amsterdam	Malarial Fever	The Master reported on arrival in Queen Alexandra Dock that the chief mate, 2nd engineer, two seamen, and two firemen had suffered more or less from Malarial Fever, whilst trading on the W.C. Africa, and on the passage to Hamburg.
" 5	9 a.m. ...	"Rene Kerviler"	French	Sydney, N.S.W. <i>via</i> Falmouth	Dysentery ...	The Master reported on arrival in the East Basin that R.O., age 25 years, a seaman, was sent to Hospital at Falmouth suffering from Dysentery. Water tanks emptied and cleansed at this port, and a fresh supply of water was taken on board.
" 9	12.40 p.m.	s.s. "Avona"	Norwegian	Barcelona	Heart Disease	The Master was reported ill on arrival in Penarth Dock. He was medically examined, and found to be suffering from Heart Disease.
" 10	10 a.m. ...	s.s. "Bernabe"	Uruguayan	Bilbao	Bronchitis...	The Master reported on arrival in the Roath Dock that S.G., age 63 years, boatswain, was ill on board. He was medically examined and found to be suffering from Bronchitis.
" 13	2 a.m. ...	s.s. "Fernside"	British	Nantes	Syphilis ...	The Master reported on arrival in Penarth Dock that H.S., age 29 years, a fireman, was ill on board, suffering from a rash all over his body. He was medically examined, and found to be suffering from Syphilis.
" 13	1.40 p.m. ...	s.s. "Ashby"	British	Naples <i>via</i> Carloforte & Dunkirk	Ophthalmia and Tonsilitis	The Master reported on arrival in the Channel Dry Dock that W.C., and A.P., seaman and cook respectively, were sent to hospital at Naples, the former suffering from Ophthalmia and the latter from Tonsilitis.

TABLE IV.—continued.

DATE 1912	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Jan. 14	1.15 a.m. ...	s.s. "Asama"	British ...	Savannah via ... Reval, Gothen- burg & Helsing- borg	Typhoid Fever, ... Bronchitis, Colds and Erysipelas	The Master reported on arrival in the Mount Stuart Dry Dock that J.S., age 46 years, storekeeper, was taken ill with Fever, shortly after leaving Savannah. Patient recovered. F.C., age 31 years, carpenter, was sent to hospital on arrival at Reval, 18th December, 1911, suffering from Typhoid Fever. His berth and effects were disinfected by the Authorities at that Port. The water tanks were emptied and cleansed on arrival at this port. On January 15th the Master reported that six of the crew (Lasears) were ill on board, they were medically examined. D.H. and N.M., age 19 and 22 years respectively, seamen were removed to the Royal Hamadryad Seamen's Hospital suffering from Bronchitis, the other four men were treated on board for colds. On the 3rd February, the Master, J. Webber, was notified to be suffering from Erysipelas, his berth, etc. was disinfected.
" 16	5 p.m. ...	s.s. "Cydonia"	British ...	Ibrel via ... Rotterdam	Cholera ...	The Master, J.R., age 44 years, reported on arrival in Penarth Dock, that he was taken ill with Asiatic Cholera at Ibrail, on the 26th November, 1911, and was in hospital until the 12th December, when he rejoined the ship. His berth and effects were disinfected by the Authorities at that port. The water tanks were also emptied and cleansed. The crew were examined on arrival at this port by the Medical Officer of Health.
" 20	5.40 p.m. ...	s.s. "Advance"	Norwegian ...	Havre ...	Nephritis ...	The Master reported on arrival in Penarth Dock that T.S., age 22 years, a seaman, was ill on board. Upon examination it was found that he was suffering from Inflammation of the Kidneys.
" 23	...	s.s. "Hosanger"	Norwegian ...	Garston ...	Phthisis ...	The Medical Superintendent, Royal Hamadryad Seamen's Hospital notified a case of Phthisis, P.C. age 24 years, a seaman, was admitted on the 13th January, from the s.s. "Hosanger," lying at Penarth Dock.
" 23	...	s.s. "Hollinside"	British ...	...	Phthisis ...	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Phthisis, E.H., age 30 years, boatswain, was admitted on the 15th January, from 24, Patrick Street. Patient was discharged from the s.s. "Hollinside" at Barry, 13th December, 1911.

TABLE IV.—*continued.*

DATE 1912	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Jan. 24	10.15 p.m.	s.s. "Maroa"	British	Calcutta <i>via</i> ... Rotterdam	Dysentery...	The Master reported on arrival in the Mount Stuart Dry Dock that F.L., age 35 years, 3rd engineer, was suffering from Dysentery. Medical treatment recommended.
" 24	8.30 p.m. ...	s.s. "Altai"	Russian	Rotterdam	Influenza ...	The Master reported on arrival in Queen Alexandra Dock that several of the crew were suffering more or less from Influenza. Medical treatment recommended.
" 28	12.15 p.m. ...	s.s. "Clintonia"	British	Kustendje <i>via</i> ... Rotterdam	Pulmonary Disease ...	The Master reported on arrival in Mount Stuart Dry Dock that J.S., age 25 years, 3rd engineer, was suffering from Pulmonary Disease. Patient was medically treated at Rotterdam.
" 31	3.30 p.m. ...	s.s. "Lismore"	British	Calcutta <i>via</i> ... Dunkirk	Inguinal Adenitis ...	The Master reported on arrival in Penarth Dock that W.W., age 30 years, seaman, was sent to hospital at Algiers, on the passage from Calcutta to Dunkirk, suffering from Inguinal Adenitis (Syphilitic).
Feb. 1	7.20 a.m. ...	s.s. "Zeta"	British	Sulina <i>via</i> Cork	Scabies ...	The Master reported on arrival in East Basin that B.K. and J.B., age 38 and 30 years, respectively, boatswain and seaman, were discharged at Cork, suffering from Scabies, their berths were disinfected.
" 1	8.30 p.m. ...	s.s. "Cuba"	Norwegian	Valencia <i>via</i> ... Bristol	Ulcerated Stomach ...	The Master reported on arrival in the Queen Alexandra Dock that G.G., age 18 years, seaman, was ill on board with severe pains in the stomach, patient was removed to the Royal Hamadryad Seamen's Hospital.
" 5	...	s.s. "Nentmoor"	British	...	Phthisis ...	V.D., age 29 years, cook, paid off at Newport, Mon., 23rd January, was staying at a Seamen's Boarding House, in Cardiff, until his removal to the Royal Hamadryad Seamen's Hospital on the 5th February.
" 5	3 p.m. ...	s.s. "Nascopia"	British ... American	Newcastle-on-Tyne	Pleurisy ...	The Chief Mate reported that the Master, J. Smith, was taken ill yesterday with Pleurisy. Patient was medically attended on board. This vessel arrived in Penarth Dock some days previously.

TABLE IV.—continued.

DATE 1912	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Feb. 6	11 a.m. ...	s.s. "Godo"	Norwegian	Rochefort	Inguinal Adenitic ... (Syphilitic)	The Master reported on arrival in the Roath Dock that J.W., age 28 years, 2nd engineer, was suffering from Inguinal Adenitis. Patient was medically examined and treated at Rochefort and Cardiff.
" 8	9.10 p.m. ...	s.s. "Mosel"	German	Rotterdam	Inflammation of Ear	The Master reported on arrival in the Roath Basin that F.S., age 28 years, a fireman, was ill on board. Patient was medically examined, and found to be suffering from Inflammation of Ear. He was taken to the Royal Hamadryad Seamen's Hospital.
" 11	4 p.m. ...	s.f. "Oyama"	British	Sea (Fishing)	Ptomaine Poison	T.P., mate, was landed at Pier Head, Queen Alexandra Dock, suffering from Ptomaine Poisoning, having partaken of some canned food a few days previously. Patient was taken to his home in the City and medically attended.
" 12	1.30 p.m. ...	s.s. "Ravn"	Norwegian	Valencia <i>via</i> Antwerp	Eczema	The Master reported on arrival in Penarth Dock that O.N., age 36 years, mate, was ill on board, upon examination it was found that he was suffering from Eczema. Patient was medically treated on board.
" 15	5 p.m. ...	s.s. "Zeno"	British	River Plate <i>via</i> Antwerp	Jaundice	The Master reported on arrival in Mount Stuart Dry Dock that R.G., age 30 years, a seaman, was sent to hospital at St. Vincent, C.V., on the 10th January, suffering from Jaundice.
" 16	7.15 a.m. ...	s.s. "Kingsgate"	British	River Plate <i>via</i> Havre	Phthisis	The Master reported on arrival in Mount Stuart Dry Dock that N.M., age 32 years, a fireman, was sent to hospital on arrival at Havre suffering from Phthisis.
" 21	9 a.m. ...	s.s. "Dartmouth"	British	Baltimore <i>via</i> Rotterdam	Typhoid Fever and Cold	The Master reported on arrival in Mount Stuart Dry Dock that W.B., age 18 years, apprentice, was sent to hospital at Baltimore on the 13th January suffering from Typhoid Fever. His berth and effects were disinfected by the Authorities at that port. The water tanks were emptied and cleansed at Rotterdam. S.M., age 36 years, a seaman, was reported to be suffering from a Cold. He was taken to the Royal Hamadryad Seamen's Hospital.

TABLE IV.—*continued.*

DATE 1912	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Feb. 22	8.30 a.m. . .	" Clyde " . . .	Norwegian	Melbourne	Heart Disease and Rheumatism	The Master reported on arrival in the East Basin that A.S., age 60 years, sailmaker, was ill on board suffering from Rheumatism and Heart Disease. Medical treatment recommended.
"	9.30 p.m. . .	s.s. " Fredensborg "	Danish	Lisbon	Jaundice . . .	The Master reported on arrival in Roath Basin that J.J., age 25 years, 3rd engineer, was ill on board. He was medically examined and found to be suffering from Jaundice.
"	10.50 a.m.	s.s. " Alvina "	Dutch	Rotterdam <i>via</i> Newport, Mon.	Cold	The Master reported on arrival in East Basin that D.R., age 19 years, seaman, was suffering from a Cold. Medical treatment recommended.
"	9.30 a.m. . .	" Heinrich Emma "	Russian	San Sebastian	Colic	M.K., age 30 years, mate, complained of pains in side and bowels. he was removed to the Royal Hamadryad Seamen's Hospital and detained. Patient was discharged from hospital 9th March, and rejoined his ship in the East Dock.
"	10.30 a.m.	s.s. " Henry Horn "	German	St. Thomas W.I. <i>via</i> Nantes	Phthisis and Syphilis	The Master reported on arrival in Roath Basin that two of the crew were ill on board, they were medically examined. P.M.A., age 27 years, a seaman, was notified to be suffering from Phthisis. He was to be removed to the Royal Hamadryad Seamen's Hospital, but decided to go home to Germany. His berth was disinfected. The other man was found to be suffering from Syphilis.
27	...	s.s. " Greenwich "	British	...	Typhoid Fever	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Typhoid Fever. C.D., age 26 years, a fireman, was discharged from the s.s. " Greenwich " at Newport, Mon., on the 14th February, and was staying at a Seamen's Boarding House in Cardiff from that date until his admission to the above institution on the 22nd February.
"	...	s.s. " Helena "	Norwegian	...	Phthisis	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Phthisis. J.A.T., age 37 years, a fireman, was admitted into the above Institution on the 14th February from the s.s. " Helena," lying at Barry Dock.
Mar. 1	5.30 a.m. . .	s.s. " Llanberis "	British	Novorossisk <i>via</i> Brake	Phthisis	The Master reported on arrival in Roath Dock that W.D., age 26 years, a seaman, was ill on board suffering from Phthisis. Patient was medically examined at Brake. He was advised to go into Hospital forthwith.

DATE 1912	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Mar. 16	...	s.s. "Hurst"	British	...	Phthisis...	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Phthisis. A.K., age 26 years, a Lascar fireman, was admitted on the 15th January, from the s.s. "Hurst," lying at Barry Dock.
" 20	8.45 a.m. ...	s.s. "Sirocco"	British	Calcutta <i>via</i> ... Hamburg	Dysentery...	The Master reported on arrival in Channel Dry Dock that N.B., age 35 years, a Lascar fireman was ill on board suffering from Dysentery. Patient was removed to the Royal Hamadryad Seamen's Hospital.
" 27	12.15 a.m.	s.s. "Southlands"	British	River Plate <i>via</i> ... Antwerp	Typhoid Fever	The Master reported on arrival in Channel Dry Dock that C.S., age 32 years, a seaman, was sent to hospital at Buenos Ayres, suffering from Typhoid Fever. Patient's effects and crew spaces were disinfected by the Authorities at that port. The water tanks were emptied and cleansed at Antwerp.
April 3	6 a.m. ...	s.s. "Seawall"	British	Sulina <i>via</i> ... Rotterdam	Phthisis ...	The Master reported on arrival in Queen Alexandra Dock that R.R., age 21 years, a seaman, was sent to hospital at Rotterdam on the 28th March, suffering from Phthisis.
" 4	8.45 a.m. ...	s.s. "Dynas Powis"	British	Genoa <i>via</i> ... Hornillo	Rheumatism	The Master, W.S., age 44 years, was reported ill on arrival in Queen Alexandra Dock suffering from Rheumatism. He had been medically attended at Hornillo. Patient was removed to his home in Cardiff.
" 4	7.20 a.m. ...	s.s. "Milwaukee"	British	Rio de Janeiro <i>via</i> Hamburg	Bronchitis...	The Master reported on arrival in Mount Stuart Dry Dock that G.C., age 26 years, a seaman, was ill on board, suffering from Bronchitis. Patient was advised to go to the Royal Hamadryad Seamen's Hospital.
April 8	9.50 a.m. ...	"Harriet Williams"	British	Glasgow	Diarrhœa ...	The Master reported on arrival in West Bute Dock that E.G., age 30 years, a seaman, was ill on board, suffering from Diarrhœa. Patient was removed to the Royal Hamadryad Seamen's Hospital.
" 10	3.0 p.m. ...	s.s. "Arraiz"†	Spanish	Las Palmas ...	Heart Disease	The Master reported that G.E., age 21 years, a seaman, was ill on board. Upon examination it was found that he was suffering from Heart Disease. Patient was removed to the Royal Hamadryad Seamen's Hospital from Penarth Dock. The vessel having been in port some time.

TABLE IV.—continued.

DATE 1912	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS
April 11	12.30 a.m.	s.s. "Cloughton" ...	British	Newport News via Bremen	Aneurism ...	The Master, J.S., age 65 years, was reported ill on arrival in Penarth Dock. Patient was in hospital for several days at Bremen. He died very shortly after the vessel entered this port, from Aneurism. An inquest was held at Penarth.
"	3.30 p.m. ...	s.s. "Golden Cross"	British	Aarhus via Libau	Enteritis ...	The Master reported on arrival in Queen Alexandra Dock that the chief mate was sent to hospital at Aarhus, suffering from Enteritis.
"	11.0 a.m. ...	s.s. "Mandalay" ...	British	Liverpool	Influenza and Dysentery	The Chief Mate reported that several members of the crew, Lascares, were ill on board. Upon examination, three persons were found to be suffering from Influenza. R.J., cook, and M.A., scaman, age 49 and 20 years respectively, were removed to the Royal Hamadryad Seamen's Hospital from Queen Alexandra Dock. This vessel had been in port for some days.
"	5.0 p.m. ...	s.s. "Fitzpatrick"	British	Portland, O. via Naples	Phthisis ...	The Master reported on arrival in Mount Stuart Dry Dock that C.H., age 35 years, a fireman, died at sea on the 28th February from Phthisis, and that his effects were destroyed.
"	8.45 p.m. ...	s.s. "Nyanza" ...	British	Calcutta via Hamburg	Hernia ...	The Master reported on arrival in Mount Stuart Dry Dock that A.H., and B.H., age 24 and 19 years respectively, seamen, were sent to hospital at Hamburg, suffering from Hernia.
"	12.0 noon	s.s. "Kilchattan" ...	British	Rangoon via Antwerp	Beri Beri ...	The Master reported on arrival in Mount Stuart Dry Dock that F.C., and M.J., age 28 and 27 years respectively, firemen, were ill on board. Upon examination they were found to be suffering from Beri Beri. Both men were removed to the Royal Hamadryad Seamen's Hospital. The crew spaces were disinfected and cleansed.
"	1.20 p.m. ...	s.s. "Princess Dagmar"	British	Newcastle via ... Bristol	Erysipelas...	Mrs. Drever, age 28 years, was reported ill on arrival in East Bute Dock. Upon examination it was found that she was suffering from Erysipelas. Patient proceeded in the ship to Glasgow via Swansea. The Medical Officer of Health for the latter port was notified.

TABLE IV.—continued.

DATE 1912	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
April 25	1.20 p.m. ...	s.s. "Tysla"	...	Sydney, N.S.W. <i>via</i> Durban	Typhoid Fever and Phthisis	The Master reported on arrival in Queen Alexandra Dock that J.K., age 40 years, a fireman, was removed to hospital at Durban on the 22nd March, suffering from Typhoid Fever. The crew spaces were disinfected by the crew. Another member of the crew was reported to be suffering from Phthisis. Medical treatment was recommended.
" 28	5 a.m. ...	s.s. "Zermatt"	...	River Plate <i>via</i> Liverpool	Influenza ...	The Master reported on arrival in Roath Dock that several of the crew were suffering from Influenza. Medical treatment recommended.
" 29	5 a.m. ...	s.s. "Emma"	...	River Plate <i>via</i> Fleetwood	Typhoid Fever ...	The Master reported on arrival in Roath Dock (and a letter was also received from the Medical Officer of Health, Fleetwood), that R.S., age 21 years, apprentice, was sent to hospital at Teneriffe on the 22nd March suffering from Typhoid Fever. His berth was disinfected by the crew. The water tanks were emptied and cleansed at Teneriffe. Patient died a few days after his admission to hospital. His effects were disinfected at this port and afterwards returned to his parents.
May 2	4.45 p.m. ...	s.s. "Wooda"	...	Bombay, <i>via</i> ... Hamburg and Antwerp	Small-Pox...	The Master reported on arrival in Roath Dock that P.M., age 35 years, a seaman, was taken ill at sea with Small-Pox on the 29th February, nine days after leaving Bombay. He was removed to hospital on arrival at Aden, March 8th, his effects were sent with him. The crew spaces were disinfected by the crew. None of the crew were vaccinated.
" 3	7.0 a.m. ...	s.s. "Queensgarth"	...	Southampton ...	Malarial Fever ...	The Master reported on arrival in Penarth Dock that L.H., age 31 years, a seaman, was ill on board. Upon examination, it was found that he was suffering from Malarial Fever. Patient was removed to the Royal Hamadryad Seamen's Hospital.
" 7	9.45 a.m. ...	"Le Pilier"	...	Tacoma <i>via</i> ... Dublin	Intercostal Myalgia...	The Master reported on arrival in Penarth Dock that J.P., age 18 years, a seaman, was ill on board. Upon examination, it was found that he was suffering from Intercostal Myalgia. Patient was medically treated on board.

TABLE IV.—continued.

DATE 1912	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
May 7	12.15 p.m.	s.s. "Nymegen"	British	Rotterdam	Heart Disease	The Master reported on arrival in East Bute Dock that T.E., age 55 years, Consular passenger, was ill on board suffering from Heart Disease. He was forthwith removed to the Royal Hamadryad Seamen's Hospital.
" 14	5.30 a.m.	s.s. "Falstad"	Norwegian	Caen	Scarlet Fever	The Mate reported on arrival in Penarth Dock that the Master, A.M., age 37 years, was taken ill shortly after leaving Barry Dock on the 6th May. Patient was removed to hospital on arrival at Caen 8th May, suffering from Scarlet Fever. His cabin and all effects were disinfected by the Authorities at Caen.
" 15	...	s.s. "Holgate"	British	River Plate <i>via</i> Limerick	Phthisis	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Phthisis, M.H., age 25 years, a seaman, was admitted on the 7th May, from the s.s. "Holgate," lying on the Windsor Slipway.
" 15	...	s.s. "Gleneluny"	British	...	Phthisis	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Phthisis, M.B., age 22 years, a Lascar seaman, was admitted on the 10th May, from the s.s. "Gleneluny," lying at Barry Dock.
" 16	5.0 a.m.	s.s. "Iperia"	British	River Plate <i>via</i> Rotterdam	Paralysis	The Master reported on arrival at Windsor Slipway that J.T., age 42 years, steward, was ill on board. Upon examination, it was found that he was suffering from Paralysis. Patient was forthwith removed to the Royal Hamadryad Seamen's Hospital.
" 17	...	s.s. "Oekley"	British	...	Phthisis	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Phthisis, N.O., age 30 years, a seaman on board the s.s. "Oekley," lying at Barry Dock, was admitted on the 16th May. The Medical Officer of Health, Barry, was notified.
" 17	...	...	...	...	Phthisis	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Phthisis, H.S., age 42 years, a freman, residing at a Seamen's Boarding House in the City, was for some time an out-patient at the above institution.
" 21	8.45 a.m.	s.s. "Glendhu"	British	Marseilles	Cold	The Master reported on arrival in Roath Dock that J.K., age 28 years, a seaman, was ill on board, suffering from a Cold. Medical treatment recommended.

TABLE IV.—continued.

DATE 1912	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
May 29	5.20 p.m. ...	s.s. "Helen"	British	Devonport <i>via</i> Porthoustock	Measles ...	C.N., age 22 years, a seaman on board the s.s. "Helen," was taken ill on the night of the 30th May, two days after arrival in West Bute Dock. Upon examination the patient was found to be suffering from Measles, he was removed to the City Sanatorium the following morning as the vessel was about to proceed to sea. His effects were removed for disinfection, and the forecastle was disinfected. The Medical Officer of Health at Belfast was notified of the vessel's departure for that port.
" 31	7.0 a.m. ...	s.s. "Ethelstan"	British	Albany <i>via</i> Naples	Beri Beri	The Master reported on arrival in Roath Dock that two cases of Beri Beri occurred amongst the crew on the voyage. All well on arrival at this port.
" 2	8.0 a.m. ...	s.s. "Annandale"	British	Chantenay	Congestion of Lungs	The Master reported on arrival in East Dock that the chief engineer was left in hospital at Chantenay, suffering from Congestion of Lungs.
" 3	7.30 a.m. ...	s.s. "Kunedic"	British	Hong Kong <i>via</i> Marseilles and Newcastle-on- Tyne	Phthisis ...	The Master reported on arrival in Queen Alexandra Dock that C.C., age 58 years, Chinese fireman, had been ill for several weeks, suffering from Phthisis. Patient was isolated from the rest of the crew. He was subsequently removed to the Royal Hamadryad Scamen's Hospital. His berth and effects were disinfected.
" 6	...	...	...	...	Phthisis ...	The Medical Superintendent, Royal Hamadryad Scamen's Hospital, notified a case of Phthisis, A.M., age 26 years, a seaman, was admitted on the 4th June, from a Scamen's Boarding House in the City, having left his ship on the Continent.
" 9	12.45 p.m.	s.s. "Dowlais"	British	New Orleans <i>via</i> Osterhausen	Typhoid Fever	The Master reported on arrival in Queen Alexandra Dock that P.R., age 28 years, second engineer, was sent to hospital at New Orleans on the 22nd February, suffering from Typhoid Fever. His berth and effects were disinfected by the Authorities at that Port, and the water tanks were emptied and cleansed.

TABLE IV.—*continued.*

DATE 1912	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
June 9	12.45 p.m....	s.s. "Abaris"	British	Bahia Blanca <i>via</i> Hamburg	Typhoid Fever	The Master reported on arrival in East Bute Dock that C.J., age 38 years, a seaman, was sent to hospital at Bahia Blanca on the 8th March, suffering from Typhoid Fever. Several other members of the crew suffered more or less from Diarrhœa. The water tanks were emptied, cleansed, and a fresh supply taken at St. Vincent. The crew spaces were disinfected and cleansed by the crew. All well on arrival at this port.
" 13	..	s.s. "Rollesby"	British	River Plate <i>via</i> Liverpool	Typhoid Fever	The Master reported on arrival in Mount Stuart Dry Dock that two of the crew were sent to hospital at Liverpool on arrival from the River Plate. Sickness not defined. On the 14th June, the day after the vessel arrived at this port, F.P., age 24 years, a seaman, was taken ill at the Sailor's Home. Upon examination, it was found that he was suffering from Typhoid Fever. Patient was forthwith removed to the City Sanatorium. His cabin at the Sailor's Home was disinfected, and his effects were removed for disinfection. The water tanks were emptied and cleansed at Tencriffe. The vessel proceeded to Barry Dock to load, and the Medical Officer of Health at that port was notified.
" 15	6.30 p.m. ...	s.s. "Penmount"	British	Sulina <i>via</i> Londonderry	Colds	The Master reported on arrival in Mount Stuart Dry Dock that P.W., age 32 years, a seaman, was sent to hospital at Constantinople on the 18th May. Sickness not defined. D.E., age 50 years, 1st mate, and D.McN., age 28 years, a seaman, were ill on board suffering from Influenza, both men were medically treated at Londonderry. The water tanks were emptied and cleansed at Londonderry.
" 18	10.15 a.m.	s.s. "Zuleika"	British	River Plate <i>via</i> Liverpool and Newcastle	Typhoid Fever and General Debility	The Master reported on arrival in Roath Basin, that J.S., age 30 years, a fireman, was sent to hospital at Queenstown on 24th May, suffering from Typhoid Fever. J.S., age 30 years, refrigerating engineer was ill on board. Upon examination it was found that he was suffering from General Debility, and was allowed to proceed to his home. The crew spaces and patient's effects were disinfected at Queenstown. Condensed water used on board.

TABLE IV. —continued.

DATE 1912	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
June 19	8.30 a.m. ...	s.s. "Tyne"	Norwegian	Blyth...	Phthisis ...	The Master reported on arrival in East Dock that C.S., age 21 years, a fireman (who joined the ship at Blyth on June 11th) was taken ill on the 13th. Patient was removed to the Royal Hamadryad Seamen's Hospital on the 19th, suffering from Phthisis. The fore-castle and patient's effects were disinfected.
" 21	10 a.m. ..	s.s. "Woolwich"	British	Algiers <i>via</i> Rotterdam	Hernia ...	The Master reported on arrival in Queen Alexandra Dock that C.H., age 27 years, a fireman, was ill on board. Upon examination, it was found that he was suffering from Hernia.
" 22	1.15 p.m. ...	s.s. "Wieringen"	Dutch	Yxpiła	General Debility ...	The Master reported on arrival that F.B., age 40 years, a fireman, was ill on board. Upon examination, it was found that he was suffering from General Debility. Patient was medically treated on board.
" 27	6.45 a.m. ...	s.s. "Zypha"	British	River Plate <i>via</i> Hamburg	Typhoid Fever ...	The Master reported on arrival in Mount Stuart Dry Dock that P.W., age 30 years, a fireman, was removed to hospital at Santa Fe on the 18th April suffering from Typhoid Fever. Patient died in that Institution on the 20th April. The fore-castle was disinfected by the crew. The tanks were emptied and cleansed at Hamburg. Deceased effects were disinfected by the Cardiff Port Sanitary Authority, and returned to the Board of Trade.
" 27	7. a.m. ...	s.s. "Astra"	British	Nantes	Rheumatism. ...	The Master reported on arrival in Penarth Dock that D.M., age 45 years, a seaman, was ill on board. Upon examination it was found that he was suffering from Rheumatism. Patient was advised to go to hospital.
July 2	8.15 p.m. ...	s.s. "Armora"	British	Carloforte <i>via</i> Bordeaux	Influenza ...	The Master reported on arrival in Penarth Dock that W.M.H., age 32 years, steward, was taken ill 27th July. Upon examination it was found that he was suffering from Influenza. Patient was advised to go to hospital.
" 2	9 p.m. ...	s.s. "Cairnavor"	British	West Coast Africa <i>via</i> Vigo and Bordeaux	Malarial Fever ...	The Master reported on arrival in Penarth Dock that T.C., age 45 years, a fireman, was taken ill on the 6th June. Upon examination it was found that he was suffering from Malarial Fever. Patient was removed to the Royal Hamadryad Seamen's Hospital.

TABLE IV.—continued.

DATE 1912	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS
July 4	8 a.m.	s.s. "Snowdonian"	British	Carthagena <i>via</i> Rotterdam	Disease of Kidneys	The Master reported on arrival that D.R., age 35 years, carpenter, was ill on board, suffering from Disease of Kidneys. Patient was advised to go to hospital.
" 4	...	s.s. "Anadyr"	Russian	...	Phthisis	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Phthisis. A.O., age 64 years, seaman, from the Russian transport, s.s. "Anadyr," was admitted on the 4th July from Barry. The Medical Officer of Health, Barry, was notified.
" 5	10.15 p.m.	s.s. "Ashtree"	British	Portland	Small Pox	The Medical Officer of Health, Weymouth, in a letter dated 4th July, reported a suspected case of Small Pox on board the s.s. "Ashtree," which was removed to the Isolation Hospital on the vessel's arrival from Barry, and that eight out of 15 of the crew submitted to vaccination. The vessel and effects were disinfected at that port. On the vessel's arrival at this port, the whole of the crew were medically examined and found well. The names and addresses of those leaving the ship were taken, and forwarded to places of destination. The Medical Officer of Health, Rosyth, was notified that the s.s. "Ashtree" had left here on the 6th June for that port.
" 8	...	s.s. "Rollesby"	British	River Plate <i>via</i> Liverpool	Typhoid Fever	G.S., age 21 years, a seaman, was admitted into the Royal Hamadryad Seamen's Hospital on the 27th May from the Sailors' Home. The patient was notified by the Medical Superintendent on July 8th to be suffering from Typhoid Fever. He died on July 16th. Disinfection was carried out at both institutions. A previous case was removed to the City Sanatorium on the 14th June. (See report for that date).
" 10	2.45 a.m.	s.s. "Rockabill"	British	Batoum <i>via</i> Boulogne	Typhoid Fever	The Master reported on arrival in Penarth Dock, that W.G., age 29 years, a fireman, was ill on board. Patient was removed to the Royal Hamadryad Seamen's Hospital same day. On the 16th July the Medical Superintendent notified the case as Typhoid Fever. The water tanks on board the ship were emptied and cleansed at Boulogne. Vessel left this port before receiving notification.

TABLE IV.—*continued*.

DATE 1912	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
July 16	9.15 a.m. ..	s.s. "King Howel" ...	British	Genoa	Influenza ...	The Master reported on arrival in Queen Alexandra Dock that J.B. age 36 years, a seaman, was ill on board. Upon examination, it was found that he was suffering from Influenza. Medical treatment recommended.
"	12.30 a.m.	"Inverness" ...	British	Wallaroo	Phthisis ...	The Master reported on arrival in East Basin that an apprentice was sent to hospital at Queenstown suffering from Phthisis. His berth and effects were disinfected at that port.
"	3.30 p.m. ...	s.s. "Dondo" ...	Portuguese	Lisbon	Fever and Ague	The Chief Mate reported on arrival in Mount Stuart Dry Dock that the Master, was suffering from slight attack of Fever and Ague. Medical treatment recommended.
"	...	s.s. "Largo Law" ...	British	New York <i>via</i> ... Liverpool and Manchester	Phthisis ...	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Phthisis. P.T. age 30 years, quartermaster, s.s. "Largo Law," lying in Roath Dock, was admitted into the hospital July 24th. His berth and effects were disinfected.
"	6.10 p.m. ...	s.s. "Trunkby" ...	British	Herring Cove ...	Lumbago ...	The Master reported on arrival in Roath Dock that C.D.C., age 45 years, a seaman, was ill on board suffering from Lumbago. Medical treatment recommended.
"	8 p.m. ...	"Endymion" ...	Norwegian	London	Phthisis ...	The Master reported on arrival in East Dock that J.P., age 32 years, a seaman, was ill on board. Patient had been an inmate of Greenwieh Hospital since March last. He was removed to the Royal Hamadryad Seamen's Hospital on the 10th August, and was notified by the Medical Superintendent on the 12th August, to be suffering from Phthisis. The foreccastle was disinfected and cleansed.
Aug. 2	...	s.s. "Marguerite" ...	French	Bayonne	Phthisis ...	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Phthisis. L.M., age 24 years, a fireman on board the s.s. "Marguerite," lying at Barry Dock, was admitted on the 30th July. The Medical Officer of Health, Barry, was notified.
"	11.30 p.m. ...	s.s. "Cheltonian" ...	British	Bombay <i>via</i> ... Amsterdam	Diarrhoea	The Master reported on arrival in the Mount Stuart Dry Dock that F.D., age 30 years, a fireman, was ill on board, suffering from Diarrhoea. Medical treatment recommended.

TABLE IV.—*continued.*

DATE 1912	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Aug. 9	10.30 a.m.	s.s. "Mahronda"	British	Bombay <i>via</i> Antwerp	Eruptive Fever	The Master reported that M.S., age 20 years, Lascar, was ill on board. Medical treatment was obtained. Patient was found to be suffering from Specific Disease, not infectious.
" 12	8.30 p.m. ...	s.s. "Glendene"	British	Dakar	Malarial Fever	The Master reported on arrival in East Bute Dock that K.H., age 34 years, a fireman, was sent to hospital at Teneriffe, 3rd August, suffering from Malarial Fever. R.W., age 60 years, a seaman, and A.T.K., age 22 years, second mate, were reported ill on board. The former was removed to the Royal Hamadryad Seamen's Hospital, and died at that institution on the 4th September. The latter was medically treated on board.
" 19	...	s.s. "Puritan"	British	...	Typhoid Fever	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Typhoid Fever, S.O.C., age 40 years, a steward, late of the s.s. "Puritan," lying at Barry Dock, was admitted into the above Institution on the 15th August, from his lodgings in Cardiff. Disinfection of the house and effects was carried out by the Authorities of the City. The Medical Officer of Health, Barry, was notified.
" 22	1.30 a.m. ...	s.s. "Rustington"	British	River Plate <i>via</i> Hamburg	Typhoid Fever	The Master reported on arrival in Mount Stuart Dry Dock, that J.S., third engineer, and T.T., a fireman, age 45 and 31 years, respectively, were sent to Hospital at Hamburg on the 1st August suffering from Typhoid Fever. Their berths and effects were disinfected by the Authorities at that port. The water tanks were also emptied and cleansed.
" 27	5.40 p.m. ...	s.s. "Fishpool"	British	Savona	Hernia	The Master reported on arrival in Queen Alexandra Dock that S.L., age 35 years, a fireman, was ill on board. Upon examination, it was found that he was suffering from Hernia. Medical treatment recommended.
" 29	7.30 a.m. ...	s.s. "Ashtree"	British	Dieppe	Enteritis	The Master reported on arrival in Penarth Dock that R.E., age 26 years, a fireman, was ill on board. Upon examination, it was found that he was suffering from Enteritis. Medical treatment recommended.

TABLE IV.—*continued.*

DATE 1912	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Sept. 1	8.45 a.m. ...	s.s. "Daghestan" ...	British ...	Sunderland ...	Heart Disease ...	The Master reported on arrival in Penarth Dock the death at sea the previous night of D.G., age 53 years, a fireman. The body was removed to the Mortuary. An inquest was held, cause of death Heart Disease.
"	8.45 p.m. ...	s.s. "Melford" ...	British ...	Liverpool ...	Enteritis ...	The Master reported on arrival in West Bute Dock that J.G., age 50 years, a fireman, was ill on board. Upon examination, it was found that he was suffering from Enteritis. Patient was advised to go to Hospital.
"	...	s.s. "City of Calcutta" ...	British ..	Calcutta <i>via</i> Dunkirk	Phthisis ...	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Phthisis, B.G., age 25 years, a Lascar seaman, was admitted on the 31st August, from the s.s. "City of Calcutta," lying in the Roath Dock.
"	11.50 a.m.	s.s. "Angola" ...	Portuguese	Lisbon ...	Stomatitis...	The Master reported on arrival in Roath Dock that A.P., age 28 years, a fireman, was ill on board. Upon examination it was found that he was suffering from Stomatitis. He was advised to go to hospital.
"	1 p.m.	s.s. "Vera" ...	Norwegian	Oporto <i>via</i> Vienna	Cold ...	The Master reported on arrival in the East Bute Dock that S.G., age 32 years, seaman, was ill on board, suffering from severe Cold. He was removed to the Royal Hamadryad Seamen's Hospital.
"	5 p.m.	s.s. "Fenay Lodge" ...	British ...	Buenos Ayres <i>via</i> Sharpness	Malarial Fever ...	The Master reported on arrival in the East Bute Dock that W.G., age 41 years, 1st mate, was ill on board, suffering from Malarial Fever. Patient had been medically treated at Sharpness.
"	6.30 a.m. ...	s.s. "Regent" ...	British ...	Rosario <i>via</i> Dublin	Pleurisy and Heart Disease	The Master reported on arrival in Channel Dry Dock that T.B., a seaman and G.C., a fireman, age 35 and 42 years respectively, died at sea. The former from Pleurisy, and the latter from Heart Disease.
"	...	s.s. "Hero" ...	Norwegian	Rotterdam ...	Phthisis ...	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Phthisis. H.L., age 24 years, seaman, was admitted into the hospital on the 7th September, from the s.s. "Hero" lying in Penarth Dock.

TABLE IV.—*continued.*

DATE 1912	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Sept. 9	...	...	...	...	Phthisis ...	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Phthisis. A.R., age 26 years, a fireman, was admitted into the hospital July 5th, having left his ship on the Continent.
" 10	6.30 p.m. ...	s.s. "Ninian"	British	Karachi	Typhoid Fever and Inguinal Adenitis	The Medical Officer of Health, Barry, reported having boarded this steamer in Barry Roads, and found J.T., age 42 years, a fireman, suffering from Swelling in the Groin, and that the vessel was proceeding to Queen Alexandra Dock. Upon examination, the patient was found to be suffering from Inguinal Adenitis, and was advised to go to hospital. The Master also reported that W.F., age 28 years, carpenter, was sent to hospital at Algiers, September 1st, suffering from Typhoid Fever, taking his effects with him. His berth was disinfected and cleansed, and the water tanks were also emptied and cleansed at this port.
" 11	8.15 a.m. ...	s.s. "Cornelia"	British	Oporto	Cold	The Mate reported on arrival in Roath Dock that the Master was suffering from a severe Cold. Medical treatment recommended.
" 11	8.50 p.m. ...	s.s. "Washington"	British	Odessa <i>via</i> Hamburg	Cold	The Master reported on arrival in Roath Dock, that H.P., age 23 years, a fireman, was ill on board, suffering from a severe Cold. He was forthwith removed to the Royal Hamadryad Seamen's Hospital.
" 11	7.10 p.m. ...	s.s. "Udala Mendi"	Spanish	Sagunto <i>via</i> Maryport	Influenza ...	The Mate reported on arrival in Penarth Dock that the Master was ill on board, suffering from Influenza. Medical treatment recommended.
" 12	8.40 a.m. ...	s.s. "Boscastle"	British	Cette <i>via</i> Algiers	Fever and Ague	The Master reported on arrival in Penarth Dock that T.C., age 37 years, a fireman, was ill on board, suffering from Fever and Ague. Patient was medically attended at Cette and Algiers.
" 14	...	s.s. "Felbridge"	British	...	Erysipelas...	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Erysipelas. H.M., age 54 years, carpenter, was admitted into the hospital on the 12th September, having recently left the s.s. "Felbridge."

TABLE IV.—*continued.*

DATE 1912	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Sep. 15	9 a.m.	s.s. "Welbeck Hall"	British	Batoum <i>via</i> Algiers and Antwerp	Typhoid Fever and Influenza	The Master reported on arrival in East Doek Basin that A.E., age 23 years, engineers' steward, was sent to hospital at Antwerp, September 11th, suffering from supposed Typhoid Fever. His berth and effects were disinfected, and the water tanks emptied and cleansed at Antwerp. W.H., age 35 years, cook, was ill on arrival at this port, suffering from Influenza. Medical treatment recommended.
"	10.30 a.m.	s.s. "Elmmoer"	British	Bombay <i>via</i> Mostyn	Malarial Fever	The Master reported on arrival in Mount Stuart Dry Dock that J.M., age 54 years, a fireman, was sent to hospital at Port Said, suffering from Malarial Fever.
"	5 p.m.	s.s. "Esemplare"	Italian	Genoa	Hernia	The Master reported on arrival in Penarth Dock that M.L., age 22 years, a fireman, was ill on board suffering from Hernia. Medical treatment recommended.
"	7 a.m.	s.s. "Treneglos"	British	Bassein <i>via</i> Taganrog and Rotterdam	Cholera	The Master reported on arrival in Roath Basin that C.R., age 44 years, cook, was taken ill with Cholera at Bassein on 1st June, and died in hospital the following day. C.R., age 45 years, a seaman, was taken ill June 2nd, and died in hospital on the 6th June. A.T., age 18 years, apprentice, and L.N., age 24 years, carpenter, were taken ill on the 2nd June, both men were removed to hospital the same day. A.T. recovered and rejoined the ship. L.N. remained in hospital. The Master, W.L., age 61 years, was sent to hospital at Aden on July 4th suffering from an Ulcer. The ship was disinfected by the Authorities at Bassein, and the water tanks were emptied, disinfected, and cleansed.
"	7.15 a.m.	s.s. "Snowdon"	British	Alexandria <i>via</i> Ibrail and Rotterdam	Malarial Fever	The Master reported on arrival in Penarth Dock, that P.S., age 35 years, a fireman, was sent to hospital at Alexandria, July 13th, suffering from Malarial Fever.
"	7.45 a.m.	s.s. "Cydonia"	British	Galatz <i>via</i> Rotterdam	Malarial Fever	The Master reported on arrival in Roath Basin, that H.P. and E.J., age 19 and 18 years respectively, apprentices, were taken ill on the 10th September, with Malarial Fever. They were sent to hospital on arrival at Rotterdam, 19th September. Their berth was disinfected by the crew.

TABLE IV.—*continued.*

DATE 1912	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS
Sept. 27	...	s.s. "Fairport"	British	...	Phthisis ...	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Phthisis. M.G., age 22 years, donkeyman, on board the s.s. "Fairport," lying at Barry Dock, was admitted into the hospital on the 24th September.
" 27	...	s.s. "Bolton Hall"	British	...	Phthisis ...	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Phthisis. J.K., age 22 years, a seaman on board the s.s. "Bolton Hall" lying at Sharpness, was admitted into the hospital on the 26th September.
" 30	10.45 a.m.	s.s. "Montauk"	British	Galveston <i>via</i> Havre	Phthisis ...	The Master reported on arrival that N.S., age 47 years, a seaman, died at sea on the 18th September from Phthisis.
Oct. 4	10.30 a.m.	s.s. "Penvearn"	British	Sulina <i>via</i> Malta and Antwerp	Typhoid Fever	The Master reported on arrival in Mount Stuart Dry Dock that W.J., age 35 years, 2nd mate, was sent to hospital at Malta on the 9th September suffering from Typhoid Fever. His berth and effects were disinfected by the Authorities at Malta. The water tanks were emptied and cleansed at Antwerp.
" 5	1 p.m.	s.s. "Brighton"	British	Bombay	Fever ...	The Master reported on arrival in Queen Alexandra Dock that E.R., age 25 years, a seaman, was sent to hospital at Port Said, 20th September, suffering from Fever, also T.T., age 35 years, a fireman, suffering from Sun Stroke.
" 5	2 p.m.	s.s. "Gaspere"	Italian	Huelva <i>via</i> Garston	Influenza ...	The Mate reported on arrival in the Roath Dock that Captain Martelli was suffering from Influenza. Medical treatment recommended.
" 15	11 a.m.	s.s. "Turbo"	British	Kustendje <i>via</i> Hamburg and Rouen	Influenza ...	The Master reported on arrival in Channel Dry Dock that S.H., age 20 years, a Lascar seaman, was ill on board. Patient was medically examined on arrival at this port, and found to be suffering from Influenza.
" 19	2.50 a.m.	s.s. "Koophandel"	Belgian	Archangel	Influenza and Malarial Fever	On visiting this vessel some days after arrival in Dock, the Master reported that J.S., and J.P., seamen, age 25 and 38 years respectively, were ill on board. They were taken to the Royal Hamadryad Seamen's Hospital forthwith. The former was found to be suffering from Influenza, and the latter from Malarial Fever.

DATE 1912	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Oct. 23	2 p.m.	s.s. "Contessa Adelma "	Austrian	Sulina <i>via</i> Rotterdam	Influenza	The Mate reported that A.K., age 30 years, donkeyman, was ill on board, suffering from Cold. (This vessel arrived in Mount Stuart Dry Dock on the 19th October) Patient was ordered to hospital.
"	8 a.m.	s.s. "Eveline "	British	Rosario	Phthisis	The Master reported on arrival in East Bute Dock that R.B., age 28 years, cook, was sent to hospital at Rosario, September 3rd, suffering from Phthisis.
"	"	s.s. "Emma "	British	St. Vincent	Phthisis	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Phthisis. A.B., age 31 years, a fireman, was admitted from his home in the city. Patient was in hospital at St. Vincent, and subsequently sent home as consular passenger.
"	"	s.s. "Arndale "	British	Santos	Phthisis	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Phthisis. J.Y., age 31 years, a seaman, was admitted on the 25th October, from a Seamen's Boarding House in the City. Patient was in hospital at Santos, and subsequently sent home as consular passenger.
"	"	s.s. "La Fontaine "	French	"	Phthisis	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Phthisis. H.C., age 30 years, a seaman on board the s.s. "La Fontaine," lying at Barry Dock, was admitted October 26th. The Medical Officer of Health, Barry, was notified.
"	"	s.s. "Charterhouse "	British	Rouen	Typhoid Fever	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Typhoid Fever. L.F., age 48 years, a seaman, was admitted on the 20th October, as vessel was about sailing from Penarth Dock. His effects and ward at the hospital were disinfected.
"	7 a.m.	s.s. "Perdita "	British	Liverpool	Congestion of Lungs	The Master reported on arrival in the West Bute Dock that A.McG., age 52 years, a fireman, died suddenly the previous night. His body was removed to the City Mortuary. Cause of death Congestion of Lungs.
Nov. 2	"	"	"	"	Erysipelas	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Erysipelas, J.M., age 47 years, a seaman, was admitted on the 30th October, from an address in the city. The bed, bedding, etc., at the hospital were removed for disinfection, and the ward was also disinfected, upon his discharge.

TABLE IV.—*continued.*

DATE 1912	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Nov. 2	10.15 a.m.	s.s. "Calliope"	British	Manupol <i>via</i> Rotterdam	Malarial Fever	The Master reported on arrival in Roath Basin that C.S., age 27 years, carpenter, had been ill for some time, suffering from Malarial Fever. Medical treatment recommended.
" 7	5.30 a.m.	s.s. "Upcerne"	British	Rosario <i>via</i> Antwerp	Influenza	The Master reported on arrival in Roath Dock that several members of the crew were ill with Influenza. Medical treatment recommended.
" 8	5.45 p.m.	s.s. "Charles T. Jones"	British	Glenitchesk <i>via</i> Hamburg	Cerebral Hæmorrhage	The Master reported on arrival in Penarth Dock, that C.M.H., age 38 years, chief engineer, died at sea on the passage to Cardiff, 3rd November, from Cerebral Hæmorrhage. Body landed at Dover.
" 11	8.15 a.m.	s.s. "Ole Bull"	Norwegian	Archangel <i>via</i> Amsterdam	Ulcerated Stomach	R.P., age 29 years, a fireman, was taken ill on the 9th November. Upon examination it was found that he was suffering from an Ulcerated Stomach. Medical treatment recommended.
" 11	...	s.s. "Argo"	British	Swansea	Phthisis	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Phthisis, A.L., age 26 years, a fireman, was admitted into the hospital from Swansea on the 8th November.
" 11	...	s.s. "Chliverstone"	British	Emden <i>via</i> Barry Dock	Phthisis	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Phthisis. G.S., age 34 years, a fireman, late of the s.s. "Chliverstone" lying at Barry Dock, was admitted into hospital November 6th from a seamen's Boarding House at Barry.
" 15	7.15 p.m.	s.s. "Kylestromc"	British	Wilmington <i>via</i> Havre	Heart Disease	The Master reported on arrival in Queen Alexandra Dock that R.N., age 28 years, a seaman, died of Heart Disease on the 5th November, at Havre.
" 21	6.30 p.m.	s.s. "Claverley"	British	Malta	Dysentery	The Master reported on arrival in Queen Alexandra Dock that J.S.M., age 19 years, apprentice, was suffering from Dysentery. Patient was taken to the Royal Hamadryad Seamen's Hospital.

TABLE IV.—*continued.*

DATE 1912	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Nov. 22	5.15 a.m. ...	s.s. "Silksworth Hall"	British	Bombay <i>via</i> Dunkirk	Malarial Fever and Phthisis	The Master reported on arrival in Penarth Dock that J.W., donkey- man, and E.S., a fireman, age 40 and 36 years respectively, were sent to hospital at Port Said on the 18th October, suffering from Malarial Fever. A.B., age 30 years, a fireman, was sent to hospital at Dunkirk, November 7th, suffering from Phthisis. Crew spaces disinfected at Dunkirk.
" 26	8.30 a.m. ...	s.s. "Nora"	British	Wilmington <i>via</i> Bremen	Influenza ...	The Master reported on arrival in Queen Alexandra Dock that N.L., age 39 years, steward, was ill on board suffering from Influenza. Medical treatment recommended.
" 28	8.30 p.m. ...	s.s. "Duart"	British	Baltimore <i>via</i> Lisbon	Intestinal Catarrh ...	The Master reported on arrival in Queen Alexandra Dock that J.C., age 52 years, a fireman, was sent to hospital at Lisbon on the 20th November, suffering from Intestinal Catarrh.
Dec. 2	1 p.m. ...	s.s. "Ciboure"	French	Toulon	Nephritis ...	The Master reported on arrival in Penarth Dock that S.T., age 30 years, a fireman, had been ill since the 28th November suffering from Nephritis. Medical treatment recommended.
" 2	10 a.m. ...	s.s. "Trelissick"	British	Novorossisk <i>via</i> Hamburg	Influenza ...	The Master reported on arrival in Queen Alexandra Dock that A.B., age 39 years, a seaman, had been ill since the 28th November suffering from Influenza. Medical treatment recommended.
" 3	3.15 p.m. ...	s.s. "W. M. Barkley"	British	Rouen <i>via</i> Ghent	Pneumonia	The Master reported on arrival in West Dock that C.W., age 32 years, a seaman, was taken ill on November 11th, with pneumonia, and was removed to hospital at Rouen, on November 13th.
" 3	11.30 a.m.	s.s. "Ilwen"	British	Ancona	Dropsy ...	The Master reported on arrival in Queen Alexandra Dock that G.L., age 52 years, a seaman, was suffering from Dropsy. Medical treatment recommended.
" 6	5.30 p.m. ...	s.s. "Godo"	Norwegian	Nantes	Influenza ...	The Master reported on arrival in Roath Dock that O.O., age 43 years, steward, was ill on board suffering from Influenza. Medical treatment recommended.

TABLE IV.—continued.

DATE 1912	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Dec. 7	6 p.m.	s.s. "Whitgift"	British	Buenos Aires ... via Antwerp	Gastritis ...	The Master reported on arrival in Roath Dock that T.F., age 26 years, 3rd engineer, was taken ill November 6th, and was sent to hospital at Las Palmas, suffering from Gastritis.
"	5.40 a.m.	s.f. "Ijuin"	British	Sea (Fishing) ...	Quinsy ...	The Master reported on arrival in West Basin that W.R., age 24 years, a fireman, was ill on board. Upon examination, it was found that he was suffering from Quinsy. He was removed to his home in the city.
"	6 p.m.	s.s. "Remembrance"	British	Wilmington via Bremenhaven	Malarial Fever	The Master reported on arrival in Mount Stuart Dry Dock that T.S., age 27 years, a fireman, was sent to hospital at Bremenhaven, November 29th, suffering from Malarial Fever.
"	6.30 p.m.	s.s. "Ladykirk"	British	Seville via Ayr	Small Pox	The Master signalled on passing Barry Island, for Cardiff, that one of the crew was ill on board, and required medical assistance. The vessel arrived in Roath Dock, and upon examination, J.R., age 47 years, 3rd engineer, was found to be suffering from Small Pox. Patient was removed to the Small-Pox Hospital. All effects from engineers' quarters were removed for disinfection, and the berths were disinfected, seventeen of the crew and one passenger were re-vaccinated. The crew were kept under medical supervision during the vessel's stay in this port.
"	10.20 a.m.	s.s. "Ubbergen"	Dutch	Billao	Influenza ...	The Master reported on arrival in Roath Dock that W.G., age 17 years, a seaman, was ill on board, suffering from Influenza. Patient was removed to the Royal Hamadryad Seamen's Hospital.
"	10 p.m.	s.s. "Cordova"	British	Seville via Glasgow	Small Pox	The Medical Officer of Health, Glasgow, notified that a case of Small Pox was admitted into Hospital at Ayr on the 6th December, from the s.s. "Cordova," which sailed for Cardiff on December 11th. All the crew were re-vaccinated at Glasgow. The vessel and effects were disinfected. The crew were kept under medical supervision during the vessel's stay in this port.
"	1 p.m.	s.s. "Britannic"	Norwegian	Bordeaux	Malarial Fever	The Master reported on arrival in East Bute Dock that J.W., age 19 years, a seaman (consular passenger) was on board, having been in hospital at Bordeaux suffering from Malarial Fever. Now convalescent.

TABLE IV.—*continued.*

DATE 1912	TIME	NAME OF SHIP	NATIONALITY	WHERE FROM	NATURE OF SICKNESS	GENERAL PARTICULARS.
Dec. 17	12.25 a.m.	s.s. "Birkhall"	British	New York <i>via</i> Trapani	Influenza ...	The Master reported on arrival in Penarth Dock that T.A.M., age 28 years, a seaman, was ill on board. Patient was removed to the Royal Hamadryad Seamen's Hospital.
" 19	2 a.m.	s.s. "John H. Barry"	British	Rosario <i>via</i> Dunkirk	"Typhoid Fever	The Master reported on arrival in Mount Stuart Dry Dock that F.B., age 26 years, a seaman, was sent to hospital at Rosario, 8th October, suffering from Typhoid Fever. His effects were sent with him. The crew spaces were disinfected by the crew. The water tanks were emptied and cleansed at Dunkirk.
" 21	...	"Notre Dame de Bon Secours"	French	Concarneau	Typhoid Fever	The Medical Superintendent, Royal Hamadryad Seamen's Hospital, notified a case of Typhoid Fever, E.D., age 17 years, a seaman on board the French vessel "Notre Dame de Bon Secours," lying in the West Bute Dock, was admitted to hospital on the 9th December. Patient's effects were removed for disinfection, and the crew spaces were disinfected, the water casks were also cleansed, and a fresh supply of water was taken at this port.
" 23	5.40 a.m.	s.s. "Harperley"	British	River Plate <i>via</i> Dunkirk	Phthisis ...	The Master reported on arrival in Penarth Dock that P.L., age 32 years, quartermaster, was sent to hospital at Tenerife on the 22nd November, suffering from Phthisis. Patient's effects were sent with him, and his berth was disinfected by the crew.
" 30	10.45 a.m.	s.s. "Reliance"	British	Dakar, Galveston <i>via</i> Bremen	Malarial Fever	The Master reported on arrival in Roath Dock that J.C., and J.D., age 45 and 38 years respectively, fireman, and cook, were ill on board, suffering from the effects of Malarial Fever, they were advised to go to the Seamen's Hospital. Most of the crew had suffered more or less from the same disease.
" 30	1 p.m.	s.s. "Arriluze"	Spanish	Bilbao	Influenza ...	The Master reported on arrival in Roath Dock that one of the firemen was ill on board suffering from Influenza. Medical treatment recommended.

CHOLERA, YELLOW FEVER AND PLAGUE.

The Regulations of the 9th November, 1896, and the 24th December, 1902, relating to Cholera, Yellow Fever, and Plague, have been rescinded by the Local Government Board, who have issued further Regulations dated the 9th September, 1907 :—

The following is a summary of the methods of dealing with the above-named diseases under the provisions of the New Regulations which relate to (1) Ships arriving from Foreign Ports (2) Outward Bound Ships, (3) Coasting Ships.

With respect to ships arriving from Foreign Ports, the provisions contained in the Regulations hitherto in force are reproduced in the New Regulations, together with certain additions and alterations.

The term “ Infected Ship ” is limited to a ship on which there is actually on board at the time of arrival a case of Cholera, Yellow Fever, or Plague, or on which there has been a case of *Cholera*, or *Plague* within 7 days before arrival, or a case of Yellow Fever within 18 days before arrival.

The term “ Suspected Ship ” applies to a ship on which there has been a case of Cholera or Plague, more than 7 days before the arrival of the ship, or a case of Yellow Fever more than 18 days before arrival, whether the case has occurred in the Port of Departure, or in another Port in the course of the voyage or at any time during the voyage, and on which no fresh case of Cholera, or Plague has occurred within 7 days, or of Yellow Fever within the 18 days.

The Regulations now require that Officers of Customs should address questions to the Masters or Surgeons of all ships from Foreign Ports, in order to ascertain whether the ship is an infected ship, or a suspected ship, or whether it has called at an infected port, and may detain any such ship until it has been visited by the Medical Officer of Health, who is required to carry out the requirements of the Regulations as to the examination of all persons on board, the removal to hospital of any persons suffering from either Cholera, Yellow Fever, or Plague, and the necessary disinfection of the ship.

After such removal of the sick person, no other person is allowed to land from the infected ship, unless he satisfies the Medical Officer of Health as to his name, intended place of destination and address.

These particulars are subsequently forwarded to the Sanitary Authority of the place of destination, in order that the person may be kept under Medical observation for a specified time in each case. The same proceedings may be taken in the case of a suspected ship, when in the opinion of the Medical Officer of Health such proceedings are necessary. Under the new Regulations the disinfection of a ship infected with Cholera or Plague is limited to those parts of it which have been used as quarters by the infected person. The Regulations also provide for the inspection by the Medical Officer of Health, of an infected ship, or a suspected ship, or a ship coming from an infected Port, whether the ship has or has not been visited and examined by an Officer of Customs, and if he finds that the ship is infected and certifies to that effect, the Master is required to moor or anchor the ship at the Mooring station, where she is dealt with in accordance with the Regulations.

The Mooring Station fixed upon in the Port Sanitary District of Cardiff is within a short distance N.E. of the Flat Holm Island, and the Hospital to which all persons suffering from Cholera, Yellow Fever, or Plague on board ship would be removed, is situated on this island.

In this Port the Customs Boarding Stations are defined in the General Order ¹⁵₁₈₉₆ as follows :—

- (1.) Glamorganshire Canal, outside Sea Locks.
- (2.) East Bute Dock Basin.
- (3.) West Bute Dock Basin.
- (4.) Roath Dock Basin.
- (5.) Penarth Dock Basin.
- (6.) Penarth Tidal Harbour.
- (7.) Queen Alexandra Dock, outer Locks.

Theoretically the Customs Officers would notify any infected or suspected ship to the Medical Officer of Health at these stations, and would detain her in this situation until visited by that Officer. Practically, however, their boarding arrangements would not permit them to do so within a reasonable time of the arrival of the ship at the Dock Basins; this notification is therefore in fact sent to the Medical Officer of Health or to his Medical Assistants by the Inspectors of the Port Sanitary Authority, who board every ship from Foreign Ports immediately on their arrival in the Dock Basins. In this way any unnecessary detention of shipping in the Dock Basins is avoided.

A supplementary Customs Boarding Station has recently been fixed in the Penarth Roads, which will, it is understood, be used in the event of Cholera or Plague spreading to any of the Continental Ports with which there is a direct communication with the Port of Cardiff. In this event the Officers of the Customs and the Officers of the Port Sanitary Authority will presumably, by arrangement, visit together infected and suspected ships, and ships from infected Ports.

New provisions have been made prescribing the procedure to be followed with a view to prevent the transmission of Plague by rats on board ship, and the escape from the ship to shore of rats that may be infected with Plague. With a view to obviating the first of these dangers, rats are in all cases to be destroyed when the ship is infected with Plague, or when rats in the ship are infected with that disease.

In the case of a ship which is not infected, but is a suspected ship by reason of Plague, or has come from an infected Port, this procedure is not obligatory, except when the Medical Officer of Health requires it to be followed.

In view of the part now known to be taken by a certain species of Mosquito in the transmission of Yellow Fever to man, provision has been made enabling the Medical Officer of Health to require the Master of the ship to take measures intended to insure the destruction of mosquitoes and their larvæ on board ship when he considers this procedure necessary for preventing the spread of the disease.

Regulations have also been made for the first time, dealing with Outward Bound and Coasting Ships infected with Cholera or Plague. In the case of ships outward bound from the district of any local Authority in England and Wales infected with Cholera or Plague, the Medical Officer may at his discretion, and must when required by the Master of the ship, examine all persons on board in order to ascertain if any of them are infected with Cholera or Plague, and in such cases he must take the necessary steps for preventing the spread of infection. In the event of all persons on board being found in good health, and all articles on board being free from infection, the Medical Officer of Health may give a certificate that all the necessary steps have been taken for preventing the spread of disease, and that the ship is free from infection, and a charge may be made by the Local Authority for any such certificate. The sum which the Master of the ship may be required to pay must not exceed the amount prescribed in the table of charges set out in the Regulations.

Another set of Regulations deals with ships sailing from English or Welsh Ports (Coastwise Ships) infected with Cholera or Plague to other Ports in the United Kingdom, which correspond closely with those which relate to Outward Bound ships. Provision is also made for the appointment and payment of qualified Medical Practitioners to assist the Medical Officer of Health in carrying out the duties under these Regulations, and finally, any person who wilfully neglects or refuses to carry out any of the Regulations is liable to a penalty not exceeding £100, and in the case of a continuing offence, to a further penalty not exceeding £50 for every day during which the offence continues.

Copies of the following Notice relating to the New Regulations have been forwarded to the Pilots of the Port, and to Masters of Ships within the District of the Local Authority :—

CARDIFF PORT SANITARY AUTHORITY.

NOTICE TO PILOTS, MASTERS, OR OTHER PERSONS IN CHARGE OF VESSELS COMING FROM FOREIGN PORTS.

REGULATIONS AS TO CHOLERA, YELLOW FEVER, AND PLAGUE.

1. Your attention is directed to the Regulations of the Local Government Board, dated September 9th, 1907, as to CHOLERA, YELLOW FEVER, AND PLAGUE Ships arriving from Foreign Ports.

2. The following points which apply to the Port Sanitary District of Cardiff require particular attention.

3. The Master of an " Infected " Ship, or a " Suspected " Ship shall, on being required so to do by the Medical Officer of Health, cause the Ship to be taken to the *Mooring Station* situated at a point N.E. of the Flat Holm Island in the Bristol Channel, to be dealt with in accordance with the aforesaid Regulations.

4. No person shall leave any such ship until every person on board has been examined by the Medical Officer of Health.

5. Only "*Infected Ships*" or "*Suspected Ships*" are to be taken to the Mooring Station near the Flat Holm Island. All other Ships coming into the Port of Cardiff are dealt with at the *Customs Boarding Stations* in the Dock Basins.

6. DEFINITIONS.—The expression "Master" includes the Officer, Pilot, or other person for the time being in charge or command of the ship. The expression "*Infected Ship*" means a ship which at the time of arrival has on board a case of CHOLERA, YELLOW FEVER, OR PLAGUE, or which has had on board a case of CHOLERA OR PLAGUE within a period of seven days, or of YELLOW FEVER within a period of eighteen days prior to the time of arrival in this Port. The expression "*Suspected Ship*" means a ship which has had on board during the voyage, or during the stay of the ship in the Port of Departure, or in a Port in the course of the voyage, a case of CHOLERA, YELLOW FEVER OR PLAGUE, but which has not had on board a fresh case of CHOLERA OR PLAGUE within seven days, or of YELLOW FEVER within eighteen days prior to the time of arrival from a Foreign Port.

7. Vessels which have already been dealt with under the Regulations on their arrival from *Foreign* at another Port, and which have not had on board a fresh case of CHOLERA, YELLOW FEVER, OR PLAGUE since leaving that Port, are not to be detained at the *Mooring Station*.

EDWARD WALFORD, M.D.,
*Medical Officer of Health for the Cardiff Port
 Sanitary Authority.*

Offices of the Port Sanitary Authority:—
 95, BUTE STREET.
 CARDIFF.

NOTE.—A copy of the Regulations may be obtained on application to the Medical Officer of Health.

HOSPITAL ACCOMMODATION.—The Hospital on the Flat Holm Island is intended solely for the reception of persons suffering from Cholera, Yellow Fever, or Plague on board Ships. It consists of one pavilion containing two Wards and Nurses' Rooms, Bathrooms, Lavatories, &c. Each Ward contains six beds. In addition to and adjoining the Hospital there is a small Ward with four beds, formerly used for Cholera patients, making altogether permanent accommodation for sixteen patients. At the same time there is ample space on the Island, *i.e.* about 40 acres, for any temporary extension which might be required. In connection with these buildings is a complete Laundry, a Mortuary, a Post-Mortem Room, and a Crematorium for the destruction of the bodies of persons dying in the Hospital or on board an infected ship. The Caretakers reside in a house adjoining the Hospital, belonging to the Port Sanitary Authority, and which is used when required for administrative purposes. An arrangement exists between some other Port Sanitary Authorities and Cardiff in connection with the Hospital accommodation on the Flat Holm Island as follows:—

The Bristol Port Sanitary Authority have the use, on payment of fees, of the Crematorium on the Island for the cremation of bodies of persons dying of Cholera, Yellow Fever, or Plague within their District.

The Cardiff Port Sanitary Authority have agreed to receive into their Hospital on the Flat Holm Island, and to provide all necessary treatment and food for patients sent to the Hospital from the District of the Newport Sanitary Authority, and to cremate the bodies of any such patients who may die in the Hospital, on payment of £40 per annum, and £3 3s. per week for the first Newport patient received into the Hospital, and £2 2s. per week for every additional patient, and a sum of £7 7s. in respect of the cremation of every body of any such patient dying in the Hospital.

An agreement exists between the Port Sanitary Authorities of Cardiff and Barry of a similar character to that between Cardiff and Newport.

By agreement also the Bridgwater Port Sanitary Authority are entitled to send patients into the Cardiff Hospital on payment of an annual sum of £20, and of sums for maintenance of patients similar to the other Authorities.

The following Table gives particulars of vessels dealt with during the year 1912, under the Cholera, Yellow Fever, and Plague Regulations :—

TABLE V.

Date 1912	Number of Vessels			Vessels which have been subjected to rat destruction			Number of Rats destroyed	From Ports Infected with the following Diseases	Medical Inspection on arrival BY
	Infected Vessels	Suspect- ed Vessels	Vessels from Infected Ports	Infected Vessels	Suspect- ed Vessels	Vessels from Infected Ports			
Jan. 17	...	1	1	...	...	...	...	Cholera ...	Assistant Medical Officer of Health.
July 19	1	...	...	1	261	Cholera and Plague	Medical Officer of Health.
Aug. 23	1	...	...	1	292	„ ...	„ „
Sept. 10	1	...	...	1	160	„ ...	„ „
„ 24	...	1	1	...	...	...	...	„ ...	„ „
Oct. 5	1	...	...	1	396	„ ...	„ „
„ 10	1	...	...	1	337	„ ...	„ „
„ 13	1	...	...	...	...	Plague ...	„ „
„ 18	1	...	...	...	...	Cholera ...	Assistant Medical Officer of Health.
„ 25	1	...	...	...	...	Plague ...	Medical Officer of Health.
Nov. 3	1	...	...	...	...	Cholera and Plague	Assistant Medical Officer of Health.
„ 20	1	...	...	...	...	Plague ...	„ „
Dec. 2	1	...	...	...	...	Cholera and Plague	„ „
	...	2	13	...	...	5	1,446	...	

Of the above number of vessels, 2 came from Cholera infected ports, 3 from Plague infected ports, and 8 from Cholera and Plague infected ports respectively.

During the year, the rat-catchers were engaged on 35 vessels. The total number of rats caught and subsequently destroyed amounted to 7,827.

The Memorandum of the Medical Officer of the Local Government Board, issued to Sanitary Authorities in November, 1910, describes—(1) The Symptoms of Plague ; (2) The diagnosis ; (3) The Method of Spread ; (4) Rats as being the source of Plague.

Your Committee are aware of the systematic destruction of rats, which is carried on in your Port Sanitary District, and the Warehouses at the Docks.

Rats have been submitted from time to time for examination to the Bacteriologist of the Cardiff and County Public Health Laboratory, with a view of detecting Plague infection.

The following Table gives the results of this examination by Mr. J. H. Sugden, M.Sc., F.I.C., of forty-one rats from vessels in the port, and Warehouses at the Docks, during the year ended 31st December, 1912 :—

TABLE VI.

1912	No. of rats submitted.	Name of Ship.	Where from	Result of Examination.
Jan. 12	2	" Rene Kerviler " ...	Sydney, N.S.W. ...	Negative
" 31	1	" " " ...	" " " ...	"
Feb. 27	2	" Clyde " ...	Melbourne ...	"
Mar. 12	2	s.s. " Harpeake " ...	Geelong ...	"
April 15	2	s.s. " Waipara " ...	Melbourne ...	"
May 1	2	s.s. " English Monarch " ...	Wallaroo ...	"
June 4	2	" Tasmania " ...	Sydney, N.S.W. ...	"
July 3	2	s.s. " River Plate " ...	Bahia Blanca ...	"
" 10	2	" Saga " ...	Melbourne ...	"
" 24	2	s.s. " Cento " ...	Karachi ...	"
Aug. 12	2	" Inverlyon " ...	Wallaroo ...	"
Sept. 30	3	s.s. " Nivian " ...	Karachi ...	"
" "	3	" " " ...	Warehouse in the City ...	"
Oct. 16	7	s.s. " Ataka " ...	Karachi ...	"
" 18	6	" " " ...	" " " ...	"
" 19	1	" " " ...	" " " ...	"
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During the year Cholera was reported in Arabia, Austria, Formosa, India, Italy, Japan, Persia, Russia, Sardinia, Siam, and Zanzibar.

Yellow Fever was reported in Brazil, Chili, Ecuador, Gold Coast, Mexico, Peru, West Coast of Africa and Venezuela.

Plague was reported in Algeria, Argentine, Austria, Azores, Brazil, British East Africa, Cuba, Ecuador, Egypt, England, Formosa, French West Coast Africa, Germany, Hawaiian Islands, Hong Kong, India, Mauritius, Morocco, Natal, New Caledonia, Persia, Peru, Philippine Islands, Porto Rico, Venezuela and Windward Islands.

A strict examination is made of all vessels on arrival at the Customs Boarding Stations, during the day and night tides, whether directly or indirectly from infected or suspected ports ; these vessels are dealt with in accordance with the Regulations of the Local Government Board of the 9th September, 1907.

The Local Government Board issued weekly statements, giving particulars of cases of Cholera, Yellow Fever, and Plague, together with the number of deaths from those diseases, as seen in the annexed table, for the year ended 31st December, 1912.

Particulars of cases and deaths from Cholera, Yellow Fever, and Plague, prepared by the Local Government Board, and reported to have occurred at various ports in the undermentioned countries during the year ended 31st December, 1912.

TABLE VII.

CHOLERA.

COUNTRY.				PORT.			CASES.	DEATHS.
Arabia	...	...	...	Jeddah	...	...	395	613
"	...	...	...	Mecca	...	...	482	6,334
Armenia	...	...	...	Diarbekir	...	...	10	69
Asiatic Turkey	...	...	...	Adana	...	...	196	122
"	"	...	...	Alaya	...	...	1	2
"	"	...	...	Alappe	...	...	66	218
"	"	...	...	Broussa	...	...	29	34
"	"	...	...	Ineboli	...	...	12	8
"	"	...	...	Ismidt	...	...	5	7
"	"	...	...	Mossina	...	...	14	9
"	"	...	...	Smyrna	...	...	3	2
"	"	...	...	Tarsus	...	...	25	20
"	"	...	...	Zanguldah	...	...	1	—
Austria	...	...	...	Isola	...	...	2	2
Formosa	...	...	...	Giran	...	...	23	12
"	...	...	...	Keelung	...	...	44	26
"	...	...	...	Taikaka	...	...	1	—
"	...	...	...	Tamsui	...	...	92	50
India	...	...	...	Bombay	...	...	2,030	1,680
"	...	...	...	Calcutta	...	...	52	1,514
"	...	...	...	Karachi	...	...	1	1
"	...	...	...	Madras	...	...	744	607
Italy	...	...	...	Girgenti	...	...	20	7
"	...	...	...	Syracuse	...	...	19	8
Japan	...	...	...	Kanagawa	...	...	80	60
"	...	...	...	Kobe	...	...	7	4
"	...	...	...	Kogoshima	...	...	10	5
"	...	...	...	Osaka	...	...	76	49
"	...	...	...	Saga	...	...	162	75
"	...	...	...	Shimoneseki	...	...	120	—
Persia	...	...	...	Ahwaz	...	...	3	—
Russia	...	...	...	Astrakhan	...	...	6	1
"	...	...	...	Odessa	...	...	2	1
Sardinia	...	...	...	Cagliari	...	...	74	23
Siam	...	...	...	Bangkok	...	...	—	5
Syria	...	...	...	Alexandretta	...	...	18	5
"	...	...	...	Antioch	...	...	25	16
"	...	...	...	Latakia	...	...	13	11
Turkey	...	...	...	Constantinople	...	...	1,937	947
"	...	...	...	Hodedah	...	...	2	1
"	...	...	...	Jeddah	...	...	—	273
"	...	...	...	Olessio	...	...	5	3
"	...	...	...	Tarsous	...	...	10	5
"	...	...	...	Tripoli	...	...	1	—
"	...	...	...	Valona	...	...	2	—
Turkish Empire	...	...	...	Beyrout	...	...	1	4
"	"	...	...	Bir	...	...	5	7

TABLE VII.—continued.

CHOLERA—*con.*

COUNTRY.	PORT.	CASES.	DEATHS.
Turkish Empire	Erekli	89	48
" "	Kili	6	2
Zanzibar	Zanzibar	112	65
	Totals	7,033	12,945

YELLOW FEVER.

COUNTRY.	PORT.	CASES.	DEATHS.
Brazil	Bahia	8	4
"	Para	—	1
"	Pernambuco	11	4
"	Rio-de-Janeiro	2	4
Chile	Tocopila	290	280
Ecuador	Guaguaquil	338	163
French West Coast Africa	Dakar	12	12
Gold Coast	Acora	1	1
"	Secondi	—	1
Mexico	Carmen	1	1
"	Coatzacalios	1	1
"	Merida	17	7
"	Sagunda de Carmen	1	2
"	San Juan Bautista	31	11
Peru	Iquitos	—	16
Venezuela	Caracas	63	5
"	La Guaira	9	—
"	Macuta	2	—
	Totals	782	513

PLAGUE.

COUNTRY.	PORT.	CASES.	DEATHS.
Algeria	Algiers	6	6
Arabia	Jeddah	12	16
Argentina	Buenos Aires	11	—
"	Rosario	2	—
Asiatic Turkey	Basra	128	91
Austria	Trieste	1	—
Azores	Terceira Island	4	1
Brazil	Para	22	22
"	Rio-de-Janeiro	17	7

TABLE VII.—continued.

PLAGUE—*con.*

COUNTRY.	PORT.	CASES.	DEATHS.
British East Africa ...	Mombassa ...	15	10
Cuba ...	Havana ...	4	—
Ecuador ...	Guayaquil ...	179	97
Egypt ...	Alexandria ...	51	17
„ ...	Assouan ...	1	1
„ ...	Cairo ...	3	—
„ ...	Port Said ...	12	1
„ ...	Zagazig ...	2	2
England ...	Liverpool ...	2	1
Formosa ...	Kagi ...	122	96
French West Coast Africa ...	Ziguinchor ...	4	3
Germany ...	Hamburg ...	2	1
Hong Kong ...	... ..	1,831	1,530
Hawaii Islands ...	... ..	1	1
India ...	Bassein ...	336	300
„ ...	Bombay ...	1,955	2,208
„ ...	Celcutta ...	1,954	1,839
„ ...	Karachi ...	1,119	1,124
„ ...	Mandalay ...	45	46
„ ...	Mangalore ...	299	222
„ ...	Moulmein ...	372	260
„ ...	Rangoon ...	840	807
Mauritius ...	Grand Port ...	1	1
„ ...	Port Louis ...	336	300
Morocco ...	Casablanca ...	65	6
„ ...	Rabat ...	1	1
„ ...	Saffi ...	6	2
Natal ...	Durban ...	67	45
New Caledonia ...	Noumea ...	36	21
Persia ...	Bushire ...	764	633
Peru ...	Ancan ...	1	—
„ ...	Callao ...	22	12
„ ...	Lima ...	73	36
Phillippine Islands ...	Manila ...	29	17
Porto Rico ...	San Juan ...	17	8
Turkey ...	Adalia ...	3	3
Venezuela ...	Caracas ...	2	—
Windward Islands ...	Grenada ...	1	—
	Totals ...	10,776	9,794

INSPECTION OF SHIPPING.

During the year 1912, eight thousand one hundred and eighty-eight vessels were inspected on arrival. Four thousand nine hundred and two extra inspections were made of work in hand and ships in docks, making a total of thirteen thousand and ninety inspections.

Three hundred and fifty-one notices were served on Masters of vessels, one thousand one hundred and fifty verbal orders were given, seventy-two letters were sent to owners or their representatives at various ports in this country and abroad in connection with nuisances and sanitary defects on board ships, and fifty-one orders were given to persons in charge of barges and lighters in the docks to abate nuisances. Twenty-three notices were also served on Masters of vessels, having polluted water on board for drinking and domestic purposes, being the result of bacteriological examination and analysis at the Cardiff Public Health Laboratory.

The systematic Inspection of Shipping in the Bute and Penarth Docks has been carried out as usual with great efficiency and to my entire satisfaction by the Chief Inspector, David Jenkins, and by the Assistant Inspectors, S. J. Holbourn, A. J. E. Scott, D. A. Jenkins, J. Davies, F. Wood, Fred Howell, T. D. Hill, and J. J. Morgan.

The following is a Summary of the routine duty of the Staff of the Medical Officer of Health :—

(1) EAST AND WEST BASINS, MOUNT STUART DRY DOCKS, AND CANAL.—One Inspector on duty from four hours flood on each tide until the gates are closed, and all vessels boarded. All vessels are boarded on arrival, whether from Foreign or Coastwise, and enquiries made as to the health of the crew, and if there has been any sickness on the voyage. A copy of the Regulations as to Infectious Diseases is handed to every Master.

(2) ROATH BASIN AND CHANNEL DRY DOCKS.—One Inspector on duty from four hours flood on each tide until the gates are closed, and all vessels boarded and examined in the same manner as No. 1.

(3) QUEEN ALEXANDRA DOCK.—Two Inspectors, one by day and one by night, from two hours flood until the gates are closed, and all vessels boarded and examined in the same manner as Nos. 1 and 2.

(4) PENARTH DOCK, ELY HARBOUR, AND WINDSOR SLIPWAYS.—Two Inspectors, one by day and one by night, from two hours flood until the gates are closed, and all vessels boarded and examined in the same manner as Nos. 1, 2, and 3. In addition to tide Work, the Inspectors on day duty at Nos. 3 and 4, also visits and examines the ships in these Docks, etc., for the purpose of ascertaining the Sanitary condition of each of the ships therein.

In addition to the above, the Senior Assistant Inspector is on day work examining ships in Docks, etc.

The Chief Inspector supervises the work and assists inspections, and carries out Statutory duties in accordance with the General "Order" of the Local Government Board, dated 21st December, 1910.

The duties are arranged thus :—Each Inspector has one week on tides at Nos. 1 and 2, two weeks on tides, etc., at Nos. 3 and 4 respectively, every sixth Sunday off duty, also, one tide each off duty every Sunday.

The average time on tide duties are as follows :—

East and West Basins—Four hours.
 Roath Basin—Four and a half hours.
 Queen Alexandra Dock—Eight Hours.
 Penarth Dock—Eight hours.

The annexed tables will afford evidence of useful work performed by the Officers of the Port Sanitary Authority, and will show that the inspection of Shipping in the Port has resulted in a great improvement in the Sanitary condition of the floating population.

The chief defects found on board ships were :—Defective side ports and prisms, bulkheads, floors, hawse pipes and cable-casings, defective stoves, funnels and flanges, ventilator cowls and ventilation, lighting and drainage, leaky decks, defective or unlined iron decks over bunks, causing damp beds, etc., defective lamps, water tanks and casks, also defective water-cl sets.

As a rule very little difficulty was experienced in obtaining compliance with the requirements of the Inspectors.

Shipowners and Masters willingly carry out the recommendations of the Port Sanitary Authority, with the result that the proportion of vessels having Sanitary defects amongst those which frequent this Port has decreased in a most marked manner.

The following Table shows the number of vessels, foreign and coastwise, inspected in the Port during the year :—

TABLE VIII.

					NUMBER INSPECTED.	NUMBER DEFECTIVE.	NUMBER OF ORDERS ISSUED
FOREIGN	{	Steamships	...	...	2,608	781	781
		Sailing Ships	...	...	246	101	101
		Fishing	...	...	4		
					2,858	882	882
COASTWISE	{	Steamships	...	...	3,925	508	508
		Sailing Ships	...	...	988	108	108
		Fishing	...	...	417	3	3
					5,330	619	619
Total Foreign and Coastwise				...	8,188	1,501	1,501

The following Table shows the number and nationalities of the vessels inspected on arrival during the year 1912 :—

TABLE IX.

NATIONALITY.						STEAM.	SAIL.	TOTAL STEAM AND SAIL.
American	...	...	...	...	...	1	...	1
Argentine	...	...	...	...	...	7	1	8
Australian	...	...	...	...	...	1	...	1
Austrian	...	...	...	...	...	32	...	32
Belgian	...	...	...	...	...	43	...	43
Brazilian	...	...	...	...	...	...	1	1
British American	...	...	...	...	...	5	...	5
British	...	...	...	...	...	5,233	960	6,193
Chilian	...	...	...	...	...	2	...	2
Chinese	...	...	...	...	...	1	...	1
Danish	...	...	...	...	...	90	6	96
Dutch	...	...	...	...	...	64	25	89
French	...	...	...	...	...	159	166	325
German	...	...	...	...	...	135	11	146
Greek	...	...	...	...	...	100	...	100
Hungarian	...	...	...	...	...	43	...	43
Italian	...	...	...	...	...	128	2	130
Japanese	...	...	...	...	...	1	...	1
Norwegian	...	...	...	...	...	459	47	506
Portuguese	...	...	...	...	...	16	...	16
Russian	...	...	...	...	...	24	13	37
Spanish	...	...	...	...	...	219	...	219
Swedish	...	...	...	...	...	132	2	134
Uruguayan	...	...	...	...	...	59	...	59
Totals						6,954	1,234	8,188

During the year, the forecastles, berths, water-closets, etc., in 479 British ships, and 265 foreign ships, respectively, have either been cleansed, painted or limewashed.

The following Table shows their nationality :—

TABLE X.

NATIONALITY.						NUMBER.
American	...	...	...	...	...	1
Austrian	...	...	...	...	...	9
Belgian	...	...	...	...	...	3
British	...	...	...	...	...	479
British American	...	...	...	...	...	1
Chilian	...	...	...	...	...	2
Danish	...	...	...	...	...	5
Dutch	...	...	...	...	...	6
French	...	...	...	...	...	31
German	...	...	...	...	...	13
Greek	...	...	...	...	...	29
Hungarian	...	...	...	...	...	4
Italian	...	...	...	...	...	22
Norwegian	...	...	...	...	...	53
Russian	...	...	...	...	...	3
Spanish	...	...	...	...	...	55
Swedish	...	...	...	...	...	15
Uruguayan	...	...	...	...	...	13
TOTAL						744



VIEW OF EAST BUTE DOCK.



The following Table shows the number and nationalities of the vessels on which nuisances or structural defects were detected :—

TABLE XI.

NATIONALITY.	Number of Ships.	Defective side ports and portholes.	Defective water closets.	Defective bulkheads and floors in crew's spaces.	Defective and leaky hawse pipes and cable casings.	Defective or unlined iron decks over berths.	Defective stoves, funnels and flanges in crew's spaces.	Defective ventilation.	Defective ventilation to deck water closets.	Dirty water casks and tanks.	Defective water casks and tanks.	Defective lamps.	Defective lighting.	Defective coxles and ventilators in crew's spaces.	Defective drainage.	Leaky decks over berths.	Foul bilges and peaks.	Ship's stores kept in crew's spaces.	Foul accumulations.	Water closets and paint lockers adjoining and ventilating into crew's spaces.	Want of wood floors in crew's spaces.	CASES.	REMEDIED.
Argentine ...	1	...	...	...	...	...	1	...	...	...	...	...	1	...	...	1	...	...	...	...	...	3	3
Australian	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	1	1
Austrian ...	12	10	2	...	2	...	2	...	...	2	...	...	...	...	4	...	...	...	...	4	...	26	26
Belgian	2	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	1	...	2	...
British ...	881	655	103	15	68	19	146	13	20	33	4	17	10	23	73	56	17	9	8	64	...	1,353	1,335
British ...	3	1	2	1	...	2	...	...	1	...	...	...	...	...	...	1	...	...	...	...	...	8	8
American																							
Danish ...	18	6	1	1	...	...	1	3	5	...	...	...	1	...	...	2	...	...	2	1	...	23	21
Dutch ...	18	10	2	...	1	...	3	...	2	...	...	...	...	...	...	3	...	1	1	...	...	23	23
French ...	83	27	16	...	3	...	7	6	2	6	3	21	4	1	...	6	...	6	...	...	...	108	106
German ...	38	18	3	1	...	...	10	2	5	...	...	...	2	...	10	...	...	...	...	7	...	58	53
Greek ...	54	29	...	...	8	4	15	1	2	...	...	2	1	1	1	...	1	2	1	2	...	70	70
Hungarian	11	13	...	...	2	...	4	1	...	...	...	...	...	...	1	...	...	...	1	1	...	23	21
Italian ...	51	35	10	5	6	2	8	...	...	4	...	...	1	2	1	3	...	1	1	6	...	85	83
Norwegian	141	71	9	6	2	1	13	10	10	15	2	1	8	3	18	12	...	2	2	19	...	204	192
Portuguese	1	...	1	...	...	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...
Russian ...	14	13	2	...	2	...	1	3	...	4	1	1	...	2	3	...	...	...	...	1	...	33	32
Spanish ...	110	83	11	3	13	4	18	6	2	...	...	5	1	3	4	3	...	3	2	5	...	166	162
Swedish ...	36	16	4	3	3	2	3	5	3	2	...	...	...	...	6	1	...	...	1	4	...	53	43
Uruguayan	26	15	2	...	2	4	9	1	...	...	...	3	...	...	...	...	1	1	...	...	...	38	38
Totals	1501	1002	168	35	112	38	241	52	52	66	10	50	29	35	122	88	19	25	20	115	...	2,279	2,217

DISINFECTION OF SEAMEN'S EFFECTS.

During the year ended 31st December, 1912, 755 Articles of Clothing belonging to Seamen were disinfected by the Port Sanitary Authority, and 727 dirty or infected beds were destroyed.

CARDIFF AND COUNTY PUBLIC HEALTH LABORATORY.

BACTERIOLOGICAL EXAMINATION OF WATER SUPPLY.

The following Table gives the results of examination by Mr. J. H. Sugden, M.Sc., F.I.C., of sixty-three samples of drinking water from vessels entering the Port during the year ended 31st December, 1912.

TABLE XII.

1912.	NAME OF SHIP.	NATION- ALITY.	WATER OBTAINED FROM.	RESULT OF EXAMINATION.
Jan. 24	s.s. "Glenwood"	British	Wilmington and Fayel	Contaminated
,, 26	s.s. "Andros"	Greek	Naples	Good.
Feb. 2	s.s. "Ardgoil"	British	Las Palmas	Good.
,, 12	s.s. "Photis"	Greek	Pireaus	Go d.
,, 14	s.s. "Atlantica"	Hungarian	Malta and Rotterdam	Contaminated
,, 16	s.s. "Zeno" ...	British	Colastine and St. Vincent	Good.
,, 17	s.s. "Westburn"	British	Sharpness	Good.
,, 20	s.s. "Haverstoe"	British	Karachi and Port Said	Good.
,, 22	"Clyde" ...	Norwegian	Melbourne	Contaminated
,, 23	s.s. "Otto Trechmann"	British	River Plate	Good.
,, 28	s.s. "Harpeake"	British	Durban and Las Palmas	Contaminated
Mar. 11	s.s. "Netherpark"	British	Las Palmas and St. Nazaire	Contaminated
,, 14	"Marosa" ...	Norwegian	Port Augusta and Falmouth	Contaminated
,, 29	s.s. "Waipara"	British	Geelong and Durban	Good.
April 4	s.s. "Trevince"	British	River Plate	Good.
,, 5	s.s. "Sirocco"	British	Port Said and Hamburg	Good.
,, 19	s.s. "Fitzpatrick"	British	Teneriffe and Naples	Good.
,, 23	s.s. "Penrose"	British	Karachi and Port Said	Good.
,, 25	s.s. "Tysla"	Norwegian	Durban and Teneriffe	Good.
May 6	s.s. "Isle of Lewis"	British	Santa Fe ...	Good.

TABLE XII.—*continued.*

1912.	NAME OF SHIP.	NATION- ALITY.	WATER OBTAINED FROM.	RESULT OF EXAMINATION.
May 14	s.s. "Lord Stanley" ...	British ...	Port Said and Dunkirk ...	Good.
" 17	"Tasmania" ...	Norwegian	Port Pirie... ...	Good.
" 21	s.s. "Lakonia" ...	British ...	St. Vincent and Leghorn ...	Contaminated
" 22	s.s. "Cowrie" ...	British ...	Port Said ...	Good.
" 23	"William Morton" ...	British ...	Trinidad ...	Contaminated
" 31	s.s. "Ethelstan" ...	British ...	Algiers and Naples ...	Contaminated
June 11	s.s. "Alton" ...	British ...	Lisbon ...	Contaminated
" 18	s.s. "Dalemoor" ...	British ...	Algiers ...	Good.
" 28	s.s. "Northwaite" ...	British ...	Port Said ...	Good.
July 2	s.s. "River Plate" ...	British ...	Bahia Blanca and St. Vincent	Good.
" 2	s.s. "Ulidia" ...	British ...	Newport News ...	Contaminated
" 3	s.s. "Cairnavon" ...	British ...	W.C. Africa and Bordeaux ...	Good
" 23	s.s. "Cento" ...	British ...	Karachi and Port Said ...	Contaminated
" 24	s.s. "Iran" ...	British ...	Rangoon and Hamburg ...	Good.
Aug. 9	s.s. "Nyanza" ...	British ...	Bahia Blanca and Teneriffe...	Contaminated
" 23	"Carmanian" ...	Norwegian	Port Adelaide ...	Good
" 23	"Largiemore" ...	Norwegian	Port Adelaide ...	Contaminated
" 23	s.s. "Floriston" ...	British ...	Port Said ...	Good.
" 27	"Largiemore" ...	Norwegian	Dacres Bay and Rain Water	Contaminated
" 27	s.s. "Iolanthe" ...	British ...	Bahia Blanca ...	Good.
Sept. 6	s.s. "Raithwaite" ...	British ...	Parrsboro ...	Contaminated
" 12	s.s. "Ninian" ...	British ...	Port Said ...	Good.
" 19	s.s. "Elm Moor" ...	British ...	Port Said and Algiers ...	Good.
" 27	s.s. "Cydonia" ...	British ...	Constan'inople ...	Good.
Oct. 8	s.s. "Brighton" ...	British ...	Bombay and Port Said ...	Good.

TABLE XII.—*continued.*

1912.	NAME OF SHIP.	NATION- ALITY.	WATER OBTAINED FROM.	RESULT OF EXAMINATION.
Oct. 8	s.s. "Winifred"	... British ...	Civita Vecchia and Constantinople ...	Contaminated
„ 11	s.s. "Ataka"	... British ...	Port Said and Oran ...	Good.
„ 21	s.s. "Monkshaven"	... British ...	Wilmington ...	Good.
„ 22	s.s. "Kathleen"	... British ...	Copenhagen ...	Good.
„ 24	s.s. "Uriarte No. 4"	... Uruguayan	Bilbao ...	Contaminated
„ 26	"Erasmus" ...	... Italian ...	Rio Janeiro ...	Contaminated
„ 29	s.s. "Eveline"	... British ...	St. Vincent ...	Contaminated
Nov. 4	"Killeena" ...	... Norwegian	Riga ...	Good
„ 6	s.s. "Tuddal"	... Norwegian	Karachi and Port Said ...	Good.
„ 8	s.s. "Tregenna"	... British ...	Constantinople ...	Contaminated
„ 20	s.s. "Glencoe"	... British ...	Norfolk, Va. ...	Contaminated
„ 21	s.s. "Purley"	... British ...	Bahia Blanca and Las Palmas	Good.
Dec. 2	s.s. "Muriel Coverdale"	British ...	Port Said and Oran ...	Good
„ 2	s.s. "Regent"	... British ...	Malta ...	Contaminated
„ 4	"Atlantic" ...	... Danish ...	Trinidad ...	Good.
„ 9	s.s. "Whitgift"	... British ...	River Plate and Las Palmas	Good.
„ 16	s.s. "Hesleyside"	... British ...	Philadelphia ...	Good.
„ 17	s.s. "Birkhall"	... British ...	New York and Catania ...	Contaminated



VIEW OF WEST BUTE DOCK.—Steamer Discharging General Cargo.



FOOD INSPECTION.

The Public Health (Regulations as to Food) Act of 1907, gave powers to the Local Government Board to make regulations under the Public Health Act, 1896, to prevent danger arising to the public health from the importation, preparation, storage and distribution of articles of food or drink (other than drugs and water) intended for sale for human consumption.

Two sets of regulations were issued by the Board, one dealing with unsound Food, and the other with Foreign Meat. An amending Regulation relating to Foreign Meat was issued on the 27th September, 1909, which came into force three days later.

The first set of Regulations is called the Public Health (first series Unsound Food) Regulations, which came into force on the 1st of October, 1908. These provide that articles of food which are unsound, unwholesome and unfit for human consumption, and which, as part of the cargo of a ship, are brought to a place in this country, either as a place of deposit or for transmission elsewhere in this country, shall be dealt with at the port of discharge.

The Medical Officer of Health is authorised by Art. IV. to examine articles of food which have been landed within the district, and if necessary to examine such articles before they are landed.

Power of taking samples is conferred by Art. VIII., and special examinations may be made at the laboratory. Power is also given under the same Art. for the temporary detention of consignments pending the completion of the examination.

The Public Health (Foreign Meat) Regulations of 1908, came into force on the 1st January, 1909. Art. I. of these Regulations has been repealed, and Class I. has been altered by the Amending Regulations, dated 27th September, 1909, and is designed to deal with foreign meat in the form of scraps, trimmings or other pieces (whether with or without bone). These also deal with imported tripe, tongues and kidneys, to which certain chemical preservatives have been added, and with the severed parts of a pig not prepared in the manner in which bacon or ham is ordinarily prepared, and not contained in a box, case, receptacle, or package with an Official Certificate; or of severed parts of a pig which have been prepared as bacon or ham, and are not contained in a box with an Official Certificate; and are without the lymphatic glands about those parts in their natural position; or of meat which whether derived from cattle or pig is in the form of a carcase, or part thereof, comprising the ribs, and is without suet membrane as, in its natural position, form the lining of the cavity enclosed by the ribs.

These classes of meat are enumerated under the heading of *Foreign Meat Class I.*, and the importer is required within three days, at his own expense to export the same, unless he can prove to the satisfaction of a Magistrate, that it is not intended for human food, the meat is required to be destroyed under the supervision of the Medical Officer of Health.

Carcases of pigs without the head in its natural state of attachment, or is without the lymphatic glands about the throat, or any other part of the carcase, in their natural position, rendering it difficult to detect the evidence of tuberculosis, are styled *Foreign Meat Class II.*, and are dealt with in the same manner as *Class I.*

The expression *Foreign Meat of Class III.* consists of severed parts of the carcase of a pig, not in the form of scrap, trimmings, &c., and which is contained in a box, case, receptacle, or package with an Official Certificate from a Competent Authority, indicating that the contents are prepared from pigs free from disease at the time of slaughter, dressed and packed with careful observance as required.

Unclassed Foreign Meat, means foreign meat of a kind, which does not bring it under any of the previous mentioned Classes.

Class III. and Unclassed are not detained by the Officers of Customs, unless requested to do so by the Medical Officer of Health, or are of opinion that the meat is in bad condition, and should be examined by the Medical Officer of Health.

In carrying out these Regulations, the Officers of Customs and Excise and your Inspectors, have worked harmoniously together ; the former rendering every assistance possible to the Officers of the Port Sanitary Authority in examining imported meat and other goods, and in reporting any matter which may come to their notice, requiring the attention of the Medical Officer of Health.

Consignments of Australian beef have from time to time been examined at the Cold Stores for Parasitic worms, known as Onchocerciasis in some of the hind quarters, and near the stifle joint. these Cysts were seen on cutting into the meat with but very little damage or mutilation.

Fore-quarters of beef are now imported minus the brisket and flanks, which were mostly found infected with these parasites.

The officers appointed by your Authority are carrying out the provisions of the Regulations with zeal and discretion, and entirely to my satisfaction. A large quantity of unsound food was destroyed, or otherwise dealt with during the year, without having to resort to legal proceedings. Most of the largest importers in the City, are now giving every facility and assistance to your officers in carrying out their duties under the Unsound Food and Foreign Meat Regulations.

In order to facilitate administrative action under Articles VI. of the Foreign Meat Regulations, the following resolution was passed by the Sanitary Authority :—

“ HEALTH AND PORT SANITARY COMMITTEE,

19th January, 1909.

PUBLIC HEALTH (FOREIGN MEAT) REGULATIONS, 1909.—Resolved.—That the Town Clerk be authorised, on behalf of the Council, acting as the Port Sanitary Authority, from time to time, within twelve hours after the receipt of a copy of a notice by the Medical Officer of Health, as mentioned in Article VI. (Notice by Sanitary Authority to Importer) of the Public Health (Foreign Meat) Regulations, 1908, to make out, complete, sign, and give all notices to importers under the said Article of the said Order.”

IMPORTATION OF FROZEN AND CHILLED MEAT.

From the following table it will be seen that the frozen and chilled meat trade is, in the Port, a large and important industry, and the due inspection of such meat forms an important part of the duty of the Officers appointed under the Public Health (Foreign Meat) Regulations of 1908 and 1909 respectively. Altogether, thirty-six vessels arrived with frozen and chilled meat on board, which was landed at the Port during the year ended 31st December, 1912. The meat is discharged either into refrigerating railway vans, or conveyed to the Cold Stores in the City, or put into the Cold Stores alongside the vessel. The Cardiff Railway Company are now erecting very large Cold Stores and Chill Rooms on the North Side of the Queen Alexandra Dock, at a cost of about £40,000. When these stores are completed, the meat will be taken direct from the ship, and either placed in the Cold Stores, or discharged into refrigerating railway vans, by means of movable electric cranes.

TABLE XIII.

1912	Name of Ship	Where from	Beef			Mutton				Carcases of Lambs	Cases and Bags of Offal	Cases of Rabbits
			Fore Quarters	Hind Quarters	Pieces of Beef	Carcases	Cases of		Cases of Loins			
							Shoulders	Legs				
Jan. 8	s.s. "Zernatt "	...	250	550	...	1,450	...	...	250	...	...
" 15	s.s. "Manchester City "	...	1,268	670	...	5,745	30	15	30	500	...	
Feb. 12	s.s. "Sutherland Grange "	...	1,919	1,500	...	11,113	20	8	3	1,722	202	...
" 29	s.s. "La Blanca "	...	1,800	2,200	78	6,069	...	...	...	600	640	...
Mar. 7	s.s. "Norfolk "	...	...	...	...	...	...	...	19,028	...	...	...
" 15	s.s. "Hawkes Bay "	...	547	1,656	...	3,400	...	...	...	11	...	...
" 25	s.s. "El Argentino "	...	1,300	1,300	...	7,200	20	10	20	1,000	505	...
April 15	s.s. "Manchester City "	...	1,013	1,320	100	6,010½	20	10	4	...	594	...
" 29	s.s. "Zernatt "	...	1,206	1,443	...	2,049	...	...	...	275	...	...
May 13	s.s. "Sutherland Grange "	...	1,526	2,858	100	4,223	15	10	...	411	...	...
" 24	s.s. "La Blanca "	...	927	957	100	950	...	...	...	255	...	...
July 4	s.s. "El Argentino "	...	696	1,750	...	...	...	...	...	383	...	...

TABLE XIII—continued.

1912	Name of Ship	Where from	Beef			Mutton			Carcases of Lambs	Cases and Bags of Oil	Cases of Rabbits
			Fore Quarters	Hind Quarters	Pieces of Beef	Carcases	Cases of Shoulders	Cases of Legs			
July 11	s.s. "El Uruguayo"	River Plate <i>via</i> Liverpool	1,805	1,574	...	6,000	9	5	...	273	...
" 15	s.s. "Everton Grange"	New Zealand <i>via</i> Avonmouth	725	725	...	700	...	...	721	...	...
" 29	s.s. "Zone"	River Plate <i>via</i> Liverpool	911	904	10	400	...	...	168	99	...
Aug. 14	s.s. "La Blanca"	River Plate <i>via</i> Liverpool	1,621	1,630	2	3,002	5	...	...	236	...
" 16	s.s. "Ceres"	Avonmouth ...	...	...	...	...	...	...	...	...	950
Sept. 2	s.s. "Sutherland Grange"	River Plate <i>via</i> Liverpool	1,307	824	...	3,001	...	...	...	394	...
" 13	s.s. "Zinal"	River Plate <i>via</i> Liverpool	605	552	...	200	...	...	192	105	...
" 17	s.s. "Ceres"	Avonmouth ...	...	...	...	...	...	...	...	...	1,004
" 21	s.s. "Ceres"	Avonmouth ...	...	...	...	...	...	...	...	...	1,000
" 21	s.s. "La Rosarina"	River Plate <i>via</i> Liverpool	1,044	969	...	3,000	...	5	...	216	...
Oct. 3	s.s. "El Uruguayo"	River Plate <i>via</i> Liverpool	1,201	1,404	...	2,000	...	...	...	277	...
" 5	s.s. "Ceres"	Avonmouth ...	...	...	...	...	...	...	3,120	...	...
" 14	s.s. "Ceres"	Avonmouth ...	...	...	...	...	...	...	2,245	...	...
" 21	s.s. "El Argentino"	River Plate <i>via</i> Liverpool	859	695	...	...	...	...	...	70	...
Nov. 4	s.s. "Ceres"	Avonmouth ...	...	...	...	...	...	...	2,233	...	...
" 4	s.s. "La Blanca"	River Plate <i>via</i> Liverpool	668	1,000	...	5,196	20	5	...	240	...



BUTE EAST DOCK.
York, Stuart and Clarence Warehouses.



TABLE XIII—continued.

1912	Name of Ship	Where from	Beef			Mutton				Carcases of Lambs	Cases and Bags of Offal	Cases of Rabbits
			Fore Quarters	Hind Quarters	Pieces of Beef	Carcases	Cases of Shoulders	Cases of Legs	Cases of Loins			
Nov. 4	s.s. "Zone "	...	...	...	...	856	...	...	...	100	105	...
" 11	s.s. "El Paraguayo "	...	...	...	...	2,000	...	...	...	...	194	...
" 18	s.s. "Zernatt "	...	...	...	...	1,080	...	...	...	250	190	...
" 20	s.s. "Ceres "	...	...	...	...	...	...	...	...	2,233	...	...
" 28	s.s. "Ceres "	...	...	...	...	...	...	...	...	1,507	...	...
Dec. 3	s.s. "Manchester City "	...	...	...	...	2,000	10	...	6	...	238	...
" 4	s.s. "Ceres "	...	...	...	...	...	...	...	...	...	...	...
" 17	s.s. "Zinal "	...	1,212	1,067	...	...	...	...	...	350	168	...
TOTALS			26,460	30,288	390	77,644½	149	68	76	35,719	6,581	2,954

THE PUBLIC HEALTH (REGULATIONS AS TO FOOD) ACT, 1907.

The following Table gives particulars of Food dealt with during the year ended 31st December, 1912, under the Unsound Food and Foreign Meat Regulations.

TABLE XIV.

Place of Examination.				Description of Articles Destroyed or otherwise dealt with.			Tons	Cwts.	Lbs.
Queen Alexandra Dock	...	...	...	Wheat	...	...	17	2	84
Do.	...	...	...	Barley	...	...	1	11	0
Do.	...	...	...	Oats...	...	...	...	9	0
Do.	...	...	...	Maize	...	...	4	11	0
Do.	...	...	...	Rye	...	...	...	6	0
Do.	...	...	...	Beans	...	...	...	4	0
Do.	...	...	...	Onions	...	...	2	3	0
Do.	...	...	...	Oranges	...	...	8	8	92
Do.	...	...	...	Apples	...	...	...	7	11
Do.	...	...	...	Grapes	...	...	...	10	60
Roath Dock	...	...	...	Wheat	...	...	29	7	0
Do.	...	...	...	Barley	...	...	7	7	0
Do.	...	...	...	Oats...	...	...	...	19	56
Do.	...	...	...	Maize	...	...	14	5	28
Do.	...	...	...	Rye	...	...	...	10	0
Do.	...	...	...	Rice	...	...	2	19	0
Do.	...	...	...	Peas	...	...	...	8	0
Do.	...	...	...	Canned Beef	...	...	...	...	54
Do.	...	...	...	Beef	...	...	2	18	97
East Dock	...	...	...	Wheat	...	...	11	3	84
Do.	...	...	...	Barley	...	...	1	19	0
Do.	...	...	...	Oats...	...	...	...	13	0
Do.	...	...	...	Maize	...	...	1	19	0
Do.	...	...	...	Potatoes	...	...	...	9	0
Do.	...	...	...	Canned Tomatoes	...	...	1	18	53

TABLE XIV--*continued.*

Place of Examination.				Description of Articles Destroyed or otherwise dealt with.			Tons	Cwts.	Lbs
East Dock	...	...	...	Canned Beef	...	...	...	1	74
Do.	...	...	...	Canned Apricots	...	...	...	1	16
Do.	...	...	...	Canned Salmon	...	...	...	...	1
Do.	...	...	...	Canned Pine Apples	...	...	...	...	1
Do.	...	...	...	Canned Bean Curd	...	...	...	...	1½
West Dock	...	...	...	Wheat	...	...	6	1	0
Do.	...	...	...	Barley	...	...	...	11	0
Do.	...	...	...	Oats...	...	...	...	7	0
Do.	...	...	...	Canned Tomatoes	...	...	...	17	63½
Do.	...	...	...	Canned Beef	...	...	...	7	82
Do.	...	...	...	Canned Mutton	...	...	...	...	36
Do.	...	...	...	Canned Rabbit	...	...	...	...	2
Do.	...	...	...	Canned Salmon	...	...	...	...	1
Do.	...	...	...	Canned Soup	...	...	...	...	12
Do.	...	...	...	Canned Apricots	...	...	...	...	42½
Do.	...	...	...	Canned Peas	...	...	...	...	36
Do.	...	...	...	Canned Peaches	...	...	...	...	2
Do.	...	...	...	Canned Raspberry Pulp	...	...	...	...	45
Do.	...	...	...	Canned Prawns	...	...	...	...	½
Do.	...	...	...	Pigs Feet	...	...	...	...	104
Do.	...	...	...	Fish	...	...	70	5	0
Do.	...	...	...	Potatoes	...	...	84	1	0
Glamorganshire Canal...	...	...	...	Canned Tomatoes	...	...	...	9	87½
Do.	...	...	...	Potatoes	...	...	7	13	0
Do.	...	...	...	Salt Fish	...	...	5	5	0
Do.	...	...	...	Beef	...	...	...	...	8
Bristol Packet Warehouse	...	...	...	Canned Tomatoes	...	...	...	...	32½
Penarth Dock	...	...	...	Wheat	...	...	...	10	0
Do.	...	...	...	Oats...	...	...	...	10	0
				TOTALS	...	...	289	14	35

ARTICLES OF FOOD DESTROYED (UNDER THE PUBLIC HEALTH ACT, 1875).

450 lbs. of beef and 250 lbs. of pork were destroyed as being unfit for human consumption.

DISEASES OF ANIMALS ACTS, 1894 TO 1911.

(And the Orders of the Board of Agriculture and Fisheries made thereunder.)

THE IMPORTATION OF DOGS ORDER, 1901, AND CANINE ANIMALS ORDER OF 1909.

During the year ended 31st December, 1912, 788 Dogs were imported from foreign countries, either directly or indirectly. In each case a copy of the Order was supplied to the Master or Officer in charge of the ship on arrival, by an Officer of the Local Authority. These ships were visited regularly during their stay in port, to see that the requirements of the Order were carried out.

FOREIGN ANIMALS ORDER OF 1910.

(Which came into force on the 1st January, 1911).

The following is a copy of Section 2 of the Order, together with a list of Scheduled Countries, Copies have been distributed among Ship Owners, Agents, Masters and Officers of Ships :—

NOTICE TO MASTERS AND OFFICERS IN CHARGE OF SHIPS.

It shall not be lawful except under the authority of a licence granted by the Board of Agriculture and Fisheries, and subject to any conditions thereby imposed, to bring into a Port in Great Britain any cattle, sheep, goats or swine brought from a port in a scheduled country, but this Article shall not apply to any vessel not bound to a port in Great Britain which comes into a port under stress of weather, or for repairs, or for any purpose other than the delivery or shipment of cargo.

PROHIBITED COUNTRIES AND PARTS OF COUNTRIES :

ARGENTINE REPUBLIC.	MEXICO.
AUSTRIA HUNGARY.	MONTENEGRO.
BELGIUM.	MOROCCO.
BOLIVIA.	NATAL.
BRAZIL.	NETHERLANDS.
CAPE COLONY.	NORWAY.
CHILE.	OTTOMAN DOMINIONS.
COLUMBIA.	PARAGUAY.
DENMARK (excluding Iceland).	PERU.
ECUADOR.	PORTUGAL (except Cape Verd
FRANCE.	Islands, Madeira, and the Azores).
GERMANY.	ROUMANIA.
GIBRALTA.	RUSSIA.
GREECE.	SERVIA.
GUIANA (British).	SPAIN (except the Canary Islands).
GUIANA (Dutch).	SWEDEN.
GUIANA (French).	URUGUAY.
ITALY.	VENEZUELA.
MALTA.	

BY ORDER.

PORT SANITARY OFFICES,
95, BUTE STREET, CARDIFF.

During the year ended 31st December, 1912, fifty-one vessels arrived at this port with the following animals on board, from scheduled countries, either directly or indirectly :—Cattle, seven ; sheep, thirty-five ; goats, eight ; pigs, one hundred and five ; making a total of one hundred and fifty-five animals.

The ships were visited regularly, to see that the requirements of the Order were carried out. When any of these ships left for another port in Great Britain, the Authorities at these ports were notified.

No animals were landed at the Foreign Animals Wharf from foreign ports during the year.

One steamer arrived at this port from the River Plate *via* Leghorn, having landed cattle at the latter port ; part of the fittings remained in position on the vessel, these fittings and all other parts of the vessel, with which the animals had been in contact, were cleansed, disinfected and lime-washed, before entering this port.

THE LANDING OF ANIMALS (FROM IRELAND) AT THE FOREIGN ANIMALS WHARF, BUTE DOCKS.

The Board of Agriculture and Fisheries, made an Order, which came into force on the 7th October, 1912, authorising the landing of cattle from Ireland, at the above Wharf, with certain restrictions, and detention, as defined in the Foreign Animals Order of 1910. The above mentioned Order was subsequently revoked, and substituted by several Amending Orders, owing to Foot and Mouth Disease outbreaks in some parts of Ireland.

The following table gives particulars of Cattle, Sheep and Swine landed and slaughtered at the Foreign Animals Wharf from the 7th October to 31st December, 1912.

TABLE XV.

1912	Name of Ship.	Where from	LANDED At Foreign Animals Wharf.				SLAUGHTERED At Foreign Animals Wharf.			
			Cattle	Calves	Sheep	Swine	Cattle	Calves	Sheep	Swine
Oct. 9	s.s. " Glengariff "	Cork	105	...	...	...	...	...	...	...
.. 16	s.s. " Lismore "	Cork	133	...	...	...	...	...	...	...
.. 23	s.s. " Bandon "	Cork	267	...	...	...	200	...	...	...
Nov. 6	s.s. " Ardmore "	Cork	77	...	497	...	77	1	493	...
.. 13	s.s. " Lismore "	Cork	104	6	475	13	104	6	475	13
.. 20	s.s. " Ardmore "	Cork	150	...	669	5	150	...	669	5
.. 27	s.s. " Lismore "	Cork	182	...	440	...	182	...	440	...
Dec. 4	s.s. " Ardmore "	Cork	163	...	699	14	134	...	698	14
.. 18	s.s. " Lismore "	Cork	26	...	658	10	26	...	658	10
			1,207	6	3,438	42	873	7	3,433	42

Owing to the slaughtering of these animals at the Foreign Animals Wharf, it was found necessary that an Officer from the Port Sanitary Authority, should be constantly in attendance to examine all meat before leaving the Slaughterhouses; this duty was delegated to Inspector Scott, one of the Food Inspectors, and Inspector Holbourn was instructed to carry out the provisions of the Unsound Food and Foreign Meat Regulations of 1908 and 1909 respectively.

This arrangement necessitated taking one of the Inspectors from tide work, to visit and examine the shipping in the various docks, etc.

The quantity of unsound meat surrendered at the Foreign Animals Wharf, and subsequently destroyed at the Corporation Destructor amounted to 2 tons, 16 cwts., 3 qrs., 20 lbs.

ALIENS ACT, 1905.

During the year ended 31st December, 1912, two immigrant ships were visited by the Medical Officer of Health on arrival, who examined twenty-one, and twenty-eight immigrants respectively. All these alien immigrants were found to be in good health, and were allowed to land.

ANNUAL REPORT OF D. JENKINS (CANAL BOAT INSPECTOR) FOR THE YEAR 1912.

Section 3 of the Canal Boats Act, of 1884, provides that it shall be the duty of every Registration or Sanitary Authority within whose district any canal, or any part of a canal is situated, to enforce within such districts the provisions of the principal Act, and this Act, and any Regulations made thereunder by the Local Government Board, and every such Authority shall within twenty-one days after the 31st day of December in every year, make a report to the Local Government Board as to the execution of the principal Act, and this Act, and of the Regulations made thereunder as aforesaid, and as to the steps taken by such Authority during the year, to give effect to the provisions of the said Acts and Regulations.

(1) Canal Boats inspected during 1912	...	...	...	164
Condition of Boats (Good 117, Fair 24)	...	...	...	141
Infringements	...	...	...	23
Occupants of Boats	...	...	...	All Males
Women and Children sleeping in Canal Boats	...	...	...	Nil.

(2) Infringements—	
a) Registration	... .. 1
(b) Notification change of Master	... Nil.
(c) Certificates	... .. Nil.
(d) Marking	... .. 4
(e) Overcrowding	... .. Nil.
(f) Separation of Sexes	... .. Nil.
(g) Cleanliness	... .. 3
(h) Ventilation	... .. 1
(i) Painting	... .. 5
(j) Water Vessels	... .. Nil.
(k) Removal of bilge water	... .. 3
(l) Notification of Infectious Disease	... Nil.
(m) Admittance of Inspector	... Nil.
(n) Defective Stoves and Chimneys	... 2
(o) Roofs leaking	... .. 4
(p) Boats leaking	... .. 1

(3) Legal proceedings taken in respect of infringements	... .. Nil.
(4) Any other steps taken to secure compliance with the Acts and Regulations ?	Yes, Verbal and Written Notices.
(5) Detention of boats for cleansing and disinfecting	... .. Nil.
(6) Number of Boats on Register	... 19
(7) Number of boats registered during 1912	... .. 1
(8) Removal from Register	... .. 1
(9) Number of boats believed to be in use or available	... .. 19
(10) Number of boats that cannot be traced	... .. Nil.
(11) Boats with accommodation for two males	... .. 18
(12) Boats with accommodation for three males	... .. 1

With regard to the Glamorganshire Canal, the upper section, north of Abercynon, still remains closed, also the Aberdare Canal, both sections having been closed as already reported, owing to Colliery subsidence.

A suggestion has been made by the Local Authorities, whose districts abut upon these parts of the Canal, to acquire the same for constructing new roads, this matter is still in abeyance.

Between Abercynon and Cilfynydd, the traffic still continues in a satisfactory state, also between Abercynon and Pontypridd, being principally goods traffic carried by the Canal Co., and the output of one small quarry. Subsidence is causing great trouble and expense on this matter.

The traffic in tinplates from Melingriffith, which is served by the Canal Co. has increased. The boats delivering into the East and West Docks, but not to the Roath or Queen Alexandra Dock.

The patent fuel traffic has been fairly up to the average, the new year's shipments are likely to increase.

The traffic between Cardiff and Pontypridd, principally carried by the Canal Co., has been well maintained.

The sanitary condition of the boats is on the whole satisfactory.

The lighters engaged in carrying grain, patent fuel, etc. in the Docks, have been periodically examined, cleansed, disinfected and repaired during the year.

The fishing boats and fish wharves have been regularly visited, cleansed and disinfected.

I wish to record my thanks for the valuable and willing assistance given by H.M. Collector of Customs, and his staff; also to the Dock Masters of the Cardiff and Penarth Docks, and their Officers; as well as to the Superintendent of the Bute Docks Police and his staff, which has been greatly appreciated by all the Officials of the Medical Officer of Health's Department.

I have the honour to be, Gentlemen,

Your obedient servant,

EDWARD WALFORD,

*Medical Officer of Health for the Cardiff Port
Sanitary District.*

